

**二〇二二年南京市知识产权
发展与保护状况**

**Development and Protection of Intellectual
Property in Nanjing in 2022**

南京市知识产权强市建设工作领导小组办公室

**Office of the Leading Group of Nanjing Municipality
for Building a Strong Intellectual Property City**

二〇二二年南京市知识产权 发展与保护状况

2022 年，南京市知识产权工作以习近平总书记关于知识产权工作的系列重要论述为根本遵循，深入学习贯彻党的二十大精神，全面贯彻落实《关于强化知识产权保护的意见》《知识产权强国建设纲要（2021-2035）》《“十四五”国家知识产权保护和运用规划》，在国家知识产权局、省知识产权局的指导下，在市委市政府的决策部署下，全面提升知识产权创造、运用、保护、管理、服务水平，奋力开创国家知识产权强市建设新局面，为全面推进中国式现代化南京新实践作出新贡献。

一、立法建制

2022 年，南京市知识产权政策、法规体系进一步完善。

市政府出台《南京市知识产权强市建设纲要（2021-2035 年）》、《南京市国家知识产权强市建设示范城市工作方案（2022-2025 年）》、《市政府关于促进高新技术产业开发区高质量发展的实施意见》，与深交所签署《知识产权金融创新工作专项合作协议》。市知识产权局制定《2022 年度南京市知识产权区域能力提升计划项目》，联合市财政局修订《知识产权支撑产业高质量发展行动计划》。市农业农村局牵头制定《关于贯彻落实种业振兴行动实施方案的若干政策措施》。市法院出台了《关于司法服务保障引领性国家创新型城市建设的十项

措施》。南京市知识产权保护中心牵头起草的《专利申请预审规范》作为江苏省地方标准发布并推广。

二、审批登记

2022年，南京市发明专利拥有量、发明专利授权量、万人发明专利拥有量、万人高价值发明专利拥有量等核心指标均保持全省第一，其中，万人发明专利拥有量达到120.75件，万人高价值发明专利拥有量达到48.73件，位居全国前列。截至2022年底，全市有效发明专利量达113788件，占全省有效发明专利量的26.55%；全市发明专利授权量达28291件，占全省发明专利授权量的31.70%。数字经济产业有效发明专利量占同区域有效发明专利总量的比重达到48.97%，位居全省第一。2022年，全市知识产权（专利）密集型七大类行业企业专利授权量共1.41万件，同比上年增加2631件，增长22.9%，其中，2022年全市新装备制造业专利授权量最多，达6335件，同比增加953件；全市信息通信技术制造业专利授权量2708件，增加794件，增幅最大，达41.5%。2022年知识密集型产业每单位平均专利授权量4.55件，比上年增加0.14件，其中医药医疗产业每单位平均专利授权量6.36件，为7大行业中最，比上年增加0.5件。全市新增7件地理标志注册商标，地理标志商标累计达23件。

2022年，全市设立的21个著作权工作服务站，完成一般作品著作权登记2.52万件，7个项目成功入选江苏省2022年优秀版权作品产业转化重点培育项目，南京地铁集团获评全国版权示

范单位（软件正版化），另有3家单位获评江苏省版权示范园区或单位。

全市现有农作物种子持证企业 32 家，2022 年通过国家和省审定登记及获得植物新品种权的品种超过 50 个。

三、培育创造

在第 23 届中国专利奖评选中，我市共获得 34 项中国专利奖，其中专利金奖 4 项，专利优秀奖 28 项，外观设计优秀奖 2 项。共推荐 30 项专利申报第 24 届中国专利奖。共有 237 项专利申报市级优秀专利奖，其中 50 项获得市优秀专利奖。截至 2022 年底，全市建成 110 家市级以上高价值专利培育中心，形成 32 项高价值专利组合；2141 家企业贯标合格，其中通过第三方认证累计 1531 家；培育市级以上知识产权示范企业 596 家。全年完成知识产权质押融资总额 78.31 亿，服务融资企业 750 户。

全市知识产权试点示范工作实现新跨越。南京市成功入选首批国家知识产权强市建设示范城市。江宁区、鼓楼区、栖霞区成功入选首批国家知识产权强县建设示范县，玄武区、秦淮区、浦口区成功入选首批国家知识产权强县建设试点县；江宁经济技术开发区成功入选首批国家级知识产权强国建设示范园区，南京经济技术开发区、南京江宁高新技术产业开发区成功入选首批国家级知识产权强国建设试点园区。江宁区等十个区入选江苏省知识产权建设示范（县域），江宁经济技术开发区等六个园区入选江苏省知识产权建设示范（园区）。

四、执法监管

自2021年获批建设全国首个省级知识产权保护示范城市以来，全市确立了“三大目标、六项任务、七大工程”的知识产权保护示范城市建设总体部署，牵头推进南京都市圈知识产权区域协同保护。2022年，全市共计立案查处侵权假冒案件2000余件，缴获假冒伪劣商品20万余件，涉案金额2.2亿元，罚没款3000余万元，抓获犯罪嫌疑人329人，打掉制假售假窝点68个。南京市连续三年在国家知识产权行政保护绩效考核中位居江苏第一、全国前七。

1. 行政保护

市市场监管局整合市区两级执法力量，将日常监管和专项行动相结合，重拳打击侵犯知识产权违法行为，两件案件入选2021年度全国知识产权行政保护十大典型案例，一件案例入选司法部司法行政（法律服务）案例库。开展拟上市企业知识产权保护专项行动，深化知识产权全链条保护。构建知识产权大保护工作格局，加强协同保护，加强“两法衔接”，强化纠纷行政裁决，强化“诉调对接”，组建知识产权保护联盟，健全社会共治模式，多元化解知识产权纠纷。南京市被国家知识产权局确定为第一批知识产权纠纷快速处理试点城市。加强区域协同保护，召开南京都市圈党政联席会议、知识产权保护协作会议，构建起“共建、共治、共享”的工作新格局。深化国家海外知识产权纠纷应对指导中心南京分中心建设，预警监测并精准指导企业应对美国337调查。高标准建设南京知识产权保护中心，

实现战略性新兴产业专利申请预审服务领域全覆盖。严厉打击非正常专利申请行为，持续规范代理机构专利申请行为，对全市代理机构开展检查和整改规范。开展专利代理机构人均代理量专项检查，督促指导整改，进一步提升专利代理质量。

市版权局联合公安、文旅、网信等部门，部署开展了冬奥和青少年版权保护工作，成立了“北京2022年冬奥会和残奥会南京市反盗版工作小组”，加强对网络直播及短视频平台、内容分享平台等各类企业进行网络巡查和实地检查。专项检查期间，执法部门线上巡查单位110余家，并抽取7家单位进行线下现场检查，及时处置危害青少年权益的侵权盗版行为。部署开展“剑网2022”专项行动，利用人工和智能巡查相结合的方式巡查各类网站、APP、公众号4600多个，处理侵权盗版线索8条，约谈网络文学企业8家，关闭非法侵权网站3家。联合江苏国版贸易基地开发基于区块链和人工智能技术的服务平台，为权利人提供原创认证、版权溯源、自助交易、侵权取证和版权保护等方面一站式维权服务。

市绿化园林局结合行政执法检查和事中事后监管工作，深入野生动物驯养繁殖、经营利用和林木种子经营利用等单位，与企业共同研究知识产权保护工作问题，开展知识产权工作，通过知识产权的管理、保护和应用为企业服务。

市农业农村局印发《2022年南京市农资打假专项治理行动实施方案》，聚焦年度执法监管重点领域，组织开展春季、“夏季百日”、秋冬季农资打假专项行动，严厉打击侵犯品种权和制

售假冒伪劣农资等违法行为，共出动执法人员12150人次，检查生产经营企业4923个次，整顿市场503个次，立案查处83起，办结案件70起，罚款37.54万元，没收违法所得7.43万元。

金陵海关立足属地型海关知识产权案件特点，根据海关总署“龙腾行动 2022”“蓝网行动 2022”等总体部署和南京海关相关要求，深入开展寄递渠道知识产权保护执法专项行动。全年办理知识产权案件 80 起，涉及邮件、跨境电商 1074 批次，查获箱包、服饰、体育用品等 24039 件。新生圩海关对 6 批次的货物开展确权，货值计 214.72 万元，其中在跨境电商渠道查处侵权收纳包和收纳袋 79 件，依法予以行政处罚。禄口机场海关仔细研究分析进出口通关数据，归纳查获侵权案件特点，提高寄递渠道人工开拆查验比例，加强对禄口空港口岸进出口领域服装、鞋帽、皮具、箱包、电子电器的监控，全年共受理侵权线索 6 批次，涉案商品 1200 件。

2. 司法保护

全市司法机关积极履职，依法加强知识产权司法保护。

市公安局部署开展“护航 2022”、“昆仑 2022”、“剑网 2022”等专项行动，对侵犯知识产权犯罪保持高压严打态势，着力做大专业化打击队伍，做强新型打击模式，以打幕后、打链条、打团伙为重点深入推进三大专项行动，抓获犯罪嫌疑人 302 人，捣毁制售假犯罪窝点 68 处，缴获假冒伪劣商品 19 万余件，总涉案金额超 2 亿元。全年共侦办公安部督办案件 3 起、省厅督办案件 2 起，破获的案件涉及冬奥、图书版权，品牌箱包、运

动器材、电子产品商标权等诸多领域，有效震慑了不法分子的嚣张气焰，维护了企业和个人的合法权益。栖霞公安分局办理的“2.11”生产、销售伪劣产品案，是我省首例涉及侵犯北京冬奥会商标、著作权的典型案例，该案被公安部评为“依法严厉打击网上侵权假冒犯罪 10 起典型案例”。

全市检察机关加大知识产权综合保护力度，落实侵犯知识产权刑事案件权利人权利义务告知工作，切实维护被侵权人合法权益。注重行政执法与刑事司法衔接，行刑合力创造良好法治营商环境。积极参与社会治理，强化知识产权检察监督，探索开展民事案件支持起诉工作。在办案中延伸治理，通过检察建议促进企业整改和行政机关规范履职。共受理知识产权犯罪审查逮捕案件 7 件 7 人，批准逮捕 5 件 5 人，不捕 2 件 2 人；受理知识产权犯罪审查起诉案件 56 件 151 人，审结 46 件 105 人，提起公诉 45 件 99 人，不起诉 6 人。雨花台区检察院办理的某集成电路设计有限公司、许某、陶某侵犯著作权案成功入选最高检发布的检察机关保护知识产权服务保障创新驱动发展典型案例，该案是入选的 11 个案例中唯一的侵犯著作权刑事案件，也是江苏省唯一入选案例。该案还被江苏省版权局评为 2021 年度江苏省打击侵权盗版十大典型案例。市检察院第四检察部、南京铁检院、雨花台区检察院等 3 家单位和 4 名个人被国家版权局表彰为 2021 年度查处重大侵权盗版案件有功单位和个人。

全市法院充分发挥知识产权司法保护主导作用，公正高效审理案件，有效遏制侵权行为。构建部门跨域协同、执法司法

衔接、诉讼调解对接的知识产权大保护格局，全市法院共新收各类知识产权案件 6808 件，审结 7300 件。南京知识产权法庭新收案件 1615 件，审结 1856 件，结收案比为 114.92%。全市法院坚持审判精品战略，培育了一批具有引领性的精品案例、优秀文书和示范庭审。审结的案件中 1 件案件入选中国法院 10 大知识产权案件，3 件入选中国法院 50 件典型知识产权案例，4 件入选江苏法院知识产权司法保护 10 大典型案例，1 件入选第三批江苏法院弘扬中华优秀传统文化的典型案例；1 篇文书获得全国法院技术类知识产权和垄断案件优秀裁判文书三等奖；2 件庭审获得全省法院百场优秀庭审，擦亮了南京知识产权审判品牌。充分发挥技术类案件审理对科技创新的带动效应，助力前沿核心技术开拓领跑。审结全国首起支持 GPL 抗辩案，对于软件产业中关于开源软件的合理使用具有较强指引作用。南京知识产权法庭、雨花台区法院因审理“某集成电路设计有限公司等侵犯著作权罪案”被国家版权局评为“查处重大侵权盗版案件有功单位（第一批）”。加强植物新品种司法保护，推动种业自主创新。市法院联合江苏省农业科学院签署《加强种业知识产权保护合作备忘录》，共同设立江苏首个“种业振兴知识产权司法保护基地”，发布《植物新品种司法保护白皮书（2012-2021）》。审结的案件中 2 件入选第二批人民法院种业知识产权司法保护典型案例，3 件案例入选农业农村部 2022 年农业植物新品种保护十大典型案例。“强化种业振兴司法保障工作经验”入选国务院发布的知识产权强国建设第一批典型案例。培育数字经济生

态，召开专题新闻发布会，向社会发布《南京法院法治护航数字经济发展十大典型案例》。严厉惩治恶意抢注、“傍名牌”“搭便车”等商标侵权及不正当竞争行为。加大损害赔偿力度，依法适用惩罚性赔偿制度，侵权违法成本显著上升，判决赔偿额 100 万元以上的案件 49 件，500 万元以上的案件 9 件，1000 万元以上的案件 4 件，1 件适用惩罚性赔偿案件入选人民法院贯彻实施民法典典型案例（第一批）。

五、机制建设

市知识产权局着力提升企业知识产权战略运用能力。健全产业、园区、企业专利导航立体发展新模式，引导企业提升研发效能，引导园区精准服务，引导产业可持续发展。我市“一园区一产业一导航”特色做法由江苏省知识产权局作为经验上报国家知识产权局。在江苏省率先试点探索建立高价值专利中心监测评价体系。在江苏省率先建成知识产权工作站，通过“线上云”+“线下站”沉浸式服务模式，开展知识产权助企纾困工作。

《南京市知识产权工作站建设服务规范》已作为南京市地方标准立项。推动地理标志与南京特色产业发展、生态文明建设、历史文化遗产以及乡村振兴有机融合，实现地理标志商标数量倍增。

市知识产权局不断提高知识产权运营服务能力。全面完成了“一核两翼多平台”知识产权运营服务体系构架建设，形成集技术创新、运营交易、金融资本为一体的知识产权运营体系。专利转化专项计划全市主要高新园区全覆盖，全年全市专利转

让、许可 17669 件次，交易金额 115.45 亿元。推动实施专利开放许可试点工作，实际达成许可交易 101 件。加强知识产权金融创新，重点推进证券化工作，打造知识产权证券化融资服务平台，建立融资企业培育库。扩大知识产权公共服务覆盖面，支持开展引进境外专利代理机构试点，打造知识产权一站式综合服务窗口，江宁区成功获批国家知识产权服务出口基地。

市版权局建设完成正版数字内容服务平台，平台聚合了插画、图片、字体、音乐、视频等全品类创意内容，整合国内优质素材资源，规范化、一站式、低成本解决宣传工作中合法使用正版素材问题，从源头上杜绝使用来源不明的素材，避免侵权情况发生。

市科技局把科技创新作为立足全局、聚焦关键、带动整体的关键变量，着力推动以科技创新为核心的全面创新，深化科技体制改革，加强战略科技力量培养，培育创新主体，推动科技成果转化，通过支持创新主体建设，推动知识产权产出及汇聚，不断完善技术转移体系，促进科技成果转化，使得科技融入并赋能发展，成为城市经济建设和高质量发展的第一生产力。2022 年，南京获批国家科技人才评价改革试点城市，获批建设国家级科创金融改革试验区，省科技厅明确支持南京建设国家区域科技创新中心。南京连续四年位居全球科研城市第 8 位，国家创新型城市创新能力评价跃升至第 2 位。

市工信局突出知识产权创造和运用，不断健全以企业为主体的技术创新体系，将企业有效专利数、当年受理专利数等企

业发明专利情况作为企业技术中心认定、评价的重要指标，优选一批知识产权评估好的企业纳入各级企业技术中心进行培育，进一步推进国家、省、市三级企业技术中心体系建设。2022年新增国家级、省级企业技术中心 85 家，省级以上企业技术中心达到 467 家，数量位居全省前列。着力推动专精特新小巨人企业培育，加快形成一批拥有自主知识产权的创新型企业主体。实施梯度培育工程，引导广大中小企业聚焦主业，精耕细作，助力制造业领域专精特新企业发展壮大，全市累计培育国家制造业单项冠军企业 21 家、专精特新“小巨人”企业 106 家。

市司法局贯彻落实中央和省、市委关于法治建设的决策部署，全面推进知识产权保护工作。积极探索公证参与知识产权全链条保护，提供知识产权孵化、创设、运用、流转全程保护。南京公证处研发上线的全国首个“企业商业秘密在线保护平台”在南京自贸区投入使用，上线以来，注册企业数已达 1035 家，涉密文件上传数达 6668 件。该平台被省政府列为在全省复制推广的中国（江苏）自由贸易试验区第三批改革试点经验。南京公证处提供全链条保护公证模块的全国首个知识产权资产数字化交易平台运作平稳，平台签约的长期使用机构已经超过 1500 户，在售专利 46 万余件，完成专利、版权等交易 16 万笔，累计交易金额超过 9 亿元人民币，超过 280 万件的拟出售专利待核查后转化为数字商品。南京市公协专门成立信息化委员会，集中了全市各公证机构的知识产权优秀专业人才，定期召开会议研讨知识产权公证相关理论问题，形成合力共同开发知识产

权公证前沿产品，有效提升了队伍的综合能力。2022年，全市公证机构办理知识产权类案件约1.42万件，涉及案件标的额近5亿元。全市具有专利代理资质的南京市律师事务所达到33家。南京知识产权律师代理的工程图片虚假宣传纠纷案入选2022年十大反不正当典型案例，代理的“涉沙格列汀片剂药品专利反向支付协议”发明专利侵权纠纷案入选2022年十大反垄断典型案例。《开源软件版权滥用的私法规制——以GPL开源授权许可模式为例》论文荣获“长三角法治论坛”二等奖。

市农业农村局鼓励支持种业企业与科研院校合作，加快培育一批高产高效、绿色优质、节水节粮、宜机宜饲、专用特用新品种。持续推进地理标志农产品品牌培育，投入资金1170万元，完成江宁“横溪西瓜”地标保护工程，实施六合“龙池鲫鱼”“永宁青虾”地标保护工程。

市商务局建立电子商务企业信用信息实际应用机制，开展互联网领域侵权假冒专项治理行动，建立信用信息和信用报告使用机制，坚持信用承诺和信用审查制度。联合省市电商协会、律师事务所等机构开展了疫情期间电商企业发展座谈会，邀请苏宁易购、汇通达、慧世联等企业就当前环境下电子商务知识产权保护尺度控制与跨境电商知识产权保护困境等议题展开讨论。推动全国首批电子商务示范城市建设，加强2022江苏电商直播节知识产权保护，助推直播电商健康快速发展。

金陵海关在辖区持续推广知识产权海关保护联系点制度，

巩固重点企业培塑成果，广泛开展企业知识产权创造、运用和维权情况摸底调查，引导进出口企业积极运用知识产权海关保护措施保护合法权益。开展知识产权海关保护现状与执法服务需求调研活动，助力企业培塑工作整体优化。

全市检察机关构建知识产权“1+13”大保护检察联盟，南京铁路运输检察院先后与玄武区检察院等 13 家区院签署《关于加强知识产权检察工作协作的意见》，就加强办案协同、强化线索移送、建立听取意见和信息共享机制、共同服务宣传、加强业务共建等多个方面开展检察合作，全面实现知识产权大保护检察联盟全覆盖。检察联盟工作情况被省院简报采用。加强知识产权检察专业化建设，市检察院抽调刑事、民事、行政及公益诉讼条线办案经验丰富的检察官组建知识产权检察办公室，负责办理刑事、民事、行政和公益诉讼案件。南京铁检院充分发挥专门办理知识产权案件优势，跨部门组建办案团队，所有知产案件同步开展“一案四查”，形成捕诉监防全链条保护的新型办案模式。

市法院加强知识产权协同保护，积极融入长三角知识产权一体化发展，牵头成立南京都市圈知识产权司法保护联盟及司法与行政大保护联盟，联合都市圈各市（区）法院、市场监管局共同签署《南京都市圈知识产权行政与司法保护合作协议》，建立南京都市圈知识产权保护协同会商、资源共享等机制，推动南京都市圈知识产权全链条保护，在全国率先打造都市圈创新共同体和知识产权保护新高地。坚持专业化、多元化、规范

化导向，持续放大聘用制专职技术调查官制度品牌效应，技术调查官“南京模式”被最高法院主要领导批示要求在全国推广。

六、宣传咨询

2022年，各相关部门积极开展知识产权宣传工作。

市知识产权局大力倡导知识产权文化和创新文化，围绕《关于强化知识产权保护的意见》做好专题宣传，深入做好知识产权普法、政策措施和发展成就等宣传工作，营造知识产权工作的良好氛围。组织开展“4.26”世界知识产权日主题宣传周活动和5.10中国品牌日宣传活动，发挥南京特色的线上“宁知苑”课堂和线下“宁品汇”沙龙品牌优势，营造浓厚的知识产权工作氛围。

市版权局组织“2022年江苏省暨南京市‘4.26’版权宣传周活动启动仪式”现场活动，举行南京正版数字内容服务平台上线仪式、南京版权落地转化、服务合作签约仪式和全省版权知识系列培训“百堂苏版课”活动启动仪式，对活动现场进行网络直播，6万多人参与直播讨论。以“激活版权资源，激发创新活力”为主题的第三届江苏（南京）版权贸易博览会，被多家央媒以及省市级媒体和网络媒体采访报道，发布新闻稿件30余篇，阅读点击量超5000万。

市绿化园林局开展植物新品种保护宣传，设计并制作宣传册、宣传材料和动画短视频，让植物新品种保护的意识深入人心，引导企业诚信守法经营，依法保护林农和品种权人合法权益，创造公平公正的市场竞争环境。

市农业农村局组织开展“绿剑执法护三农，放心农资进乡村”为主题的放心农资下乡进村宣传周活动，出动执法和科技人员 230 多人次，群众参与咨询 6000 多人次，悬挂横幅标语 27 条，发放《禁用农药名录》《农药使用者应履行的法律义务》《购买农资注意要点》等宣传资料 5000 多份，“致农民购买农资提醒一封信”8000 多张，种子、肥料等优质农资产品 3000 余袋，开展媒体宣传 11 次。

金陵海关紧扣知识产权宣传周、海关法治宣传日等重要时间节点，综合运用传统媒体和新兴媒体，形成线上和线下、日常宣传和集中宣贯、全面普法和针对性指导相结合的警示宣传局面，积极宣传严格知识产权保护、开展跨部门跨地区联合执法、优化执法服务、强化法制宣传等方面的主要举措和取得成绩，营造尊重知识产权的良好社会氛围，相关报道在《中国国门时报》、总署综合信息呈报、宁关信息快报等重要媒体发表。新生圩海关开展专题法治宣传，提升企业对知识产权海关保护的认知度，促进企业诚信经营、守法自律、依法维权。响应企业需求，向企业讲解知识产权海关保护、海关合规管理及行政处罚相关政策，引导进出口企业和代理加强知识产权保护，营造“崇尚创新、守法经营”的良好营商环境。

市公安局进一步健全知识产权保护警企挂钩制度，积极开展知识产权保护进企业工作，主动上门服务，全方位宣讲知识产权保护的重要性、侵权行为及后果等内容，了解企业保护需求，指导落实保护措施，提高企业自我防范能力。积极通过“4.26”

知识产权保护开放日等大型活动以及公交、地铁等公共区域的宣传媒介，滚动播放由市公安局精心制作的《防范侵犯知识产权犯罪宣传短片》，不断扩大宣传的广度，形成全社会重视知识产权保护的良好氛围。

市检察院将知识产权检察高质量发展作为检察工作高质量发展的新引擎，加大知识产权宣传服务力度。以“保护知识产权，我们始终在场”的担当，打造“‘4+’新引擎”特色检察文化品牌，在“4·26”知识产权保护宣传周期间召开一场新闻发布会、发布一批典型案例、推出一个主题宣传片、集中公开销毁一批侵犯知识产权的产品，获评江苏检察十佳文化品牌，新闻发布会被法治日报、新华网、中国检察官等 21 家新闻媒体直播，浏览量破百万；主题宣传片被新华社发布，当日浏览量达到 62 万+，并在新街口核心商业圈和铁路车站大屏播放。深度服务企业，走进南京知名创新企业和产业园区进行深入调研、了解企业需求，开展法治宣讲、发布典型案例，获得企业好评。

市法院联合秦淮区法院、秦淮区知识产权局，共同举办了“知产‘宁’身边 创燃新秦淮”——4·26 世界知识产权日主题宣传暨南京知识产权法庭五周年发布活动，向社会发布《2017-2021 年南京法院知识产权司法保护蓝皮书》和南京法院十大知识产权案件，最高法院知识产权法庭专门发来贺信，充分肯定了南京知识产权审判工作成绩。

七、教育培训

2022 年，知识产权教育培训工作稳步推进。

市知识产权局围绕全市知识产权系统管理干部业务能力提升、知识产权运营人才、知识产权从业人员能力提升、高新技术企业知识产权战略等内容，举办 38 个班次知识产权培训班，共培训知识产权各级各类人才 6500 余人次。

市工信局围绕知识产权“保护、创造、运用”，突出专利快审、知识产权体检、检索账号等内容开展知识产权培训，133 家企业参与线上培训。

市农业农村局将涉农知识产权保护列为高素质农民培育和基层农技人员培训课程内容，举办“南京市高素质农民培育师资研修班”、“《种子法》及相关法律法规专题培训班”、“种子抽样和检测技术培训班”、“农业转基因生物安全监管培训班”等，对 230 多名机关干部、监管人员和技术人员进行涉农知识产权保护相关知识培训。

新生圩海关加强知识产权保护执法技能培训，组织关员参加“长三角生态绿色一体化发展示范区知识产权海关保护培训”、“关区知识产权执法培训”、知识产权海关保护在线培训及“以案释法”活动，通过典型案例重现办案流程，全面提升一线关员执法水平。

八、国际交流

市知识产权局加强知识产权区域合作、国际合作，通过技术与创新支持中心（TISC）建立与世界知识产权组织的合作，促进国际专利在南京的落地转化。推进长三角区域知识产权保护与服务协作机制建设，实现资源共享共通。

市知识产权局支持世界知识产权组织(WIPO)和南京理工大学在南京共同举办 2022 年 WIPO-China 暑期学校。来自中国、韩国、印度、菲律宾等 18 个国家的 130 名学员参加了本次暑期学校。课程注重将知识产权与其他学科相融合,包含了“数字经济与知识产权”相关主题的讲座、案例研讨、模拟练习和问答讨论。在为期两周的课程里,学员通过线上、线下相结合的方式,接受知识产权领域多方面的培训。

九、知识产权仲裁

2022 年度,南京仲裁委员会共办结知识产权仲裁案件 150 件,涉及争议金额 1.1 亿元。

高水平建设知识产权仲裁院。积极探索制定符合知识产权纠纷特点的专业仲裁规则,为知识产权纠纷当事人提供更加全面、公正、便捷的仲裁服务。建成智慧仲裁系统,实现知识产权案件的在线咨询、立案、开庭、调解,建立起知识产权纠纷仲裁与调解在线争议解决机制。加强人才储备,仲裁院专家库境内外知识产权专家达到 174 名。加强“江苏(南京)知识产权仲裁调解中心”建设。制定了《商业特许经营纠纷仲裁案件审理要点》,努力提高知识产权案件办案质效。

十、南京市知识产权保护中心

2022 年,南京市知识产权保护中心围绕打造研究型知识产权保护专业技术服务组织的发展思路,有序推进各项工作,获全国第一批知识产权纠纷快速处理试点,荣获全国快速维权案件模拟演示活动“最佳展示奖”、2022 年度“江苏省巾帼文明岗”。

目前，南京市知识产权保护中心已在新一代信息技术、生物医药、节能环保产业领域开展专利预审服务，备案单位达 3352 家，累计接收新一代信息技术、生物医药和节能环保领域专利申请预审 4739 件，受理 3634 件，预审合格 3203 件，授权 2608 件，专利授权量、预审业务量位居全省第一、全国各保护中心前列。

南京市知识产权保护中心圆满完成复审无效多模式审理试点工作，成功受理专利复审预审案件 9 件，无效宣告预审案件 4 件，联合国家知识产权局开展无效宣告远程审理 3 场，无效宣告与行政裁决联合审理 1 场。其中联合审理是江苏省内首次开展“快速确权”和“行政裁决”联合审理，是南京保护中心推进“专利复审无效案件多模式审理”国家试点工作关键环节，有效促进行政确权与行政裁决衔接，提高知识产权案件审理效率，减轻当事人负担。

南京市知识产权保护中心全面加强知识产权保护工作。国家海外知识产权纠纷应对指导南京分中心持续跟踪监测本地企业海外知识产权动态，监测并排除 30 多条涉宁企业海外信息记录，发现并及时指导 14 起海外知识产权纠纷应对案件，通过组织专家问诊，为企业量身定制海外知识产权纠纷应对方案，助力企业有效化解海外知识产权纠纷。发布南京都市圈呼吸机产业、钙钛矿产业、智能电网调度技术产业海外知识产权预警分析报告，成立南京都市圈涉外知识产权保护联盟，在全国率先打造了都市圈海外知识产权保护高地。南京市知识产权保护中心稳步推进知识产权诉调对接工作，全年共接收委托调解案件

245 件，组织调解 121 件，91 件调解成功，调解成功率 75%；牵头起草并发布实施知识产权纠纷调解系列标准 4 项，形成知识产权纠纷人民调解“南京模式”，推动了知识产权人民调解与司法保护的无缝衔接。

南京市知识产权保护中心积极开展公益服务，建成南京市知识产权数据支持中心，开发“一键生成评议报告”功能，率先在全国各知识产权保护中心中面向创新主体提供知识产权评议报告公益服务，助力创新主体提升知识产权创造、运用和保护能力。全年已累计为南京市 260 余家创新主体出具了知识产权评议报告。进一步支持本地企业提升海外知识产权纠纷防控意识和应对能力，全年举办 6 场专题培训，培训达 1000 余人次，从实务的角度，为企业解决“出海”过程中的知识产权疑难问题，有力提升了企业海外知识产权纠纷应对处理能力和水平。

Development and Protection of Intellectual Property in Nanjing in 2022

**Office of the Leading Group of Nanjing Municipality for Building a
Strong Intellectual Property City**

Development and Protection of Intellectual Property in Nanjing in 2022

In 2022, Nanjing carried out its intellectual property work based on the important statements of General Secretary Xi Jinping on intellectual property work and the guiding principles of the 20th CPC National Congress. Nanjing fully implemented the Opinions on Strengthening the Protection of Intellectual Property Rights, the Outline for Building an Intellectual Property Powerhouse (2021-2035), and the National Plan for the Protection and Application of Intellectual Property Rights during the 14th Five-Year Plan Period. Under the guidance of the China National Intellectual Property Administration (CNIPA) and the Intellectual Property Office of Jiangsu Province (JSIPO), Nanjing implemented the decisions and arrangements of Nanjing Municipal Party Committee and Nanjing Municipal People's Government, comprehensively improved intellectual property creation, application, protection, management, and services, opened up new prospects for building a strong intellectual property city, and made, through its pioneering practices, new contributions to Chinese-style modernization.

I. Institutional Arrangements

In 2022, Nanjing further improved the structure of its intellectual

property policies and regulations.

The municipal government issued the Outline of Nanjing for Building a Strong Intellectual Property City (2021-2035), the Work Plan of Nanjing as a Model City for Building a Strong Intellectual Property City (2022-2025), and the Implementation Opinions of the Municipal People's Government on Promoting High-quality Development of Nanjing High-tech Zone, and signed the Special Cooperation Agreement on Intellectual Property Financial Innovation with Shenzhen Stock Exchange. The Nanjing Intellectual Property Office formulated the Projects Supported by Nanjing Intellectual Property Regional Capability Enhancement Program for 2022 and revised, together with the Nanjing Municipal Finance Bureau, the Action Plan for Intellectual Property-Sustained High-Quality Development of Industries. The Nanjing Municipal Bureau of Agriculture and Rural Affairs led the formulation of the Several Policies and Measures for the Implementation of the Seed Industry Revitalization Action Plan. The Intermediate People's Court of Nanjing City issued the Ten Measures for Judicial Services to Support the Building of a Leading National Innovative City. The China (Nanjing) Intellectual Property Protection Center led the drafting of the Patent Application Pre-examination Standards, which has published and promoted as local standards of Jiangsu province.

II. Examination and Registration

In 2022, Nanjing maintained its first place in the province in terms of core indicators such as the "invention patent ownership", "invention patent

authorizations", "ownership of invention patents per 10,000 people", and "ownership of high-value invention patents per 10,000 people". Among them, Nanjing ranked in the forefront nationwide in terms of "ownership of invention patents per 10,000 people" (120.75) and "ownership of high-value invention patents per 10,000 people" (48.73). By the end of 2022, Nanjing owned 113,788 valid invention patents, accounting for 26.55% of the province's total valid invention patents, and 28,291 invention patent authorizations, accounting for 31.70% of the province's total. Valid invention patents in the digital economy industry accounted for 48.97% of the total valid invention patents in the same area, ranking first in the province. In 2022, enterprises in the city's seven major intellectual property (patent)-intensive industries were granted 14,100 patents, a year-on-year increase of 2,631 or 22.9%. Among them, enterprises in the new equipment manufacturing industry grabbed a lion's share with 6,335 patents, a year-on-year increase of 953, while enterprises in the information and communication technology manufacturing industry captured 2,708 patents, an increase of 794, with the highest rate of increase of 41.5%. In 2022, the average number of patent authorizations for each entity in knowledge-intensive industries was 4.55, a year-on-year increase of 0.14. Among them, the corresponding number for the pharmaceutical and medical industry was 6.36, which is the highest among the seven major industries, with a year-on-year increase of 0.5. Nanjing registered 7 more geographical indication (GI) trademarks, bringing the number of city's total GI trademarks to 23.

In 2022, the 21 copyright service stations established across the city accomplished copyright registration for 25,200 general works, 7 of which were included in the province's key projects for the industrial transformation of excellent copyright works in 2022. Nanjing Metro was rated as a national copyright demonstration entity (use of legitimate software), while another 3 entities were awarded as the province's copyright demonstration parks/zones or entities.

There are 33 licensed crop seed enterprises in the city, and more than 50 varieties were granted the right to new plant varieties in 2022 after passing national and provincial examination and registration.

III. Cultivation and Creation

Nanjing won a total of 34 awards at the 23rd WIPO-CNIPA Award for Chinese Outstanding Patented Invention & Industrial Design, including 4 gold, 28 excellence, and 2 design excellence awards. In addition, the city submitted a total of 30 patents for the next session of the event. Of the 237 competing patents, 50 won the municipal excellent patent award. By the end of 2022, Nanjing had established 110 high-value patent incubators at or above the municipal level, with 32 high-value patent portfolios. A total of 2,141 enterprises had been certified as enterprises implementing intellectual property management standards, of which 1,531 passed the certification of a third party. Up to 596 intellectual property demonstration enterprises at or above the municipal level had been fostered. Throughout the year, Nanjing provided over RMB 7.831 billion in intellectual property pledge financing to

750 enterprises.

Nanjing's intellectual property pilot and demonstration programs leapfrogged in 2022. Nanjing was selected as one of the first demonstration cities for the building of a strong intellectual property city. Jiangning District, Gulou District, and Qixia District were among the first batch of demonstration counties for building a strong intellectual property county. Xuanwu District, Qinhuai District, and Pukou District were included in the first batch of pilot counties for building a strong intellectual property county. Jiangning Economic and Technological Development Zone was selected as one of the first batch of national-level demonstration parks/zones for building China into an intellectual property powerhouse. Nanjing Economic and Technological Development Zone and Nanjing Jiangning High-tech Development Zone were among the first batch of national-level pilot parks/zones for building China into an intellectual property powerhouse. Ten districts, including Jiangning District, were selected as demonstration districts (counties) for the development of intellectual property in Jiangsu province. Six parks/zones, including Jiangning Economic and Technological Development Zone, were selected as demonstration parks/zones for the development of intellectual property in Jiangsu province.

IV. Law Enforcement Supervision

Since it was approved to build China's first provincial-level demonstration city for the protection of intellectual property rights (IPR) in 2021, Nanjing has established an overall plan featuring "three goals, six tasks,

and seven projects" for this purpose and has taken the lead in promoting coordinated IPR protection in the Nanjing Metropolitan Area. In 2022, Nanjing investigated over 2,000 infringement and counterfeiting cases, involving a value of RMB 220 million, confiscated over RMB 30 million, arrested 329 suspects, and destroyed 68 dens that produced or sold fake commodities. For three consecutive years, Nanjing ranked first in Jiangsu and top seven nationwide in CNIPA's assessment of administrative IPR protection performance.

1. Administrative Protection

The Nanjing Municipal Administration for Market Regulation pooled together law enforcement forces at municipal and district levels to crack down on IPR infringements by combining routine supervision and special actions. Two cases were selected into the top ten model cases for administrative IPR protection nationwide in 2021, and one case was included in the case library of the Ministry of Justice for judicial administration (legal services). Special actions were launched to protect IPRs of enterprises to be listed and enhance IPR protection throughout the chain. The Administration built a larger IPR protection framework to strengthen the coordinated IPR protection, the connection between administrative law enforcement and criminal justice, the administrative adjudication of disputes, and the connection between litigation and mediation. An IPR protection alliance was established to improve the social governance model and resolve IPR disputes in diversified ways. Nanjing was selected by the CNIPA as one of the first

batch of pilot cities for rapid resolution of IPR disputes. The Administration strengthened regional coordinated IPR protection, convened Party-government joint conferences and IPR protection collaboration meetings attended by cities in the Nanjing Metropolitan Area to build a new work pattern that features "joint building, joint governance, and sharing". It advanced the building of the National Overseas Intellectual Property Dispute Response Center Nanjing Branch to provide enterprises with pre-warning monitoring and precise guidance in their response to U.S. Section 337 investigations. The China (Nanjing) Intellectual Property Protection Center was built according to high standards to provide full pre-examination services for patent applications in strategic emerging industries. The Administration cracked down on irregular patent applications, continued to regulate patent applications of patent agencies, and launched campaigns to inspect, rectify, and regulate patent agencies across the city. It carried out special actions to ascertain the per capita workload of patent agencies and urged and guided unqualified patent agencies to take corrective actions, which has further improved the service quality of patent agencies.

The Nanjing Municipal Copyright Bureau, together with the public security, culture & tourism, cyberspace, and other departments, took actions to protect copyrights concerning symbols of Beijing 2022 Olympic and Paralympic Winter Games and youth publications. They established the Beijing 2022 Nanjing Anti-piracy Working Group to strengthen online and offline inspections of livestreaming, short video, and content sharing

platforms. During the special inspections, the law enforcement departments inspected over 110 entities online and selected seven of them for offline on-site inspections in a bid to promptly deal with infringements and piracies that may harm the rights and interests of young people. In a special action code-named "Cybersword 2022", law enforcers inspected over 4,600 websites, apps, and WeChat official accounts personally or with the help of artificial intelligence (AI), handled 8 infringement and piracy clues, interviewed 8 online literature companies, and closed 3 illegal infringing websites. In cooperation with the Jiangsu National Copyright Trading Base, they developed a blockchain and AI-based service platform to provide one-stop IPR-safeguarding services for right holders, including original certification, copyright tracing, self-service transactions, infringement evidence collection, and copyright protection.

Staff of the Nanjing Municipal Landscape Bureau, taking the opportunities of administrative law enforcement inspections as well as interim and ex post regulation, visited entities engaged in the domestication, breeding, and utilization of wild animals and the utilization of tree seeds. They discussed IPR protection with the entities, carried out intellectual property work, and provided them with services related to IPR management, protection, and application.

The Nanjing Municipal Bureau of Agriculture and Rural Affairs issued the Implementation Plans of Nanjing for Special Operations against Counterfeit Agricultural Materials in 2021. Focusing on key areas for law

enforcement supervision in 2022, the Bureau organized the spring, "summer 100 days", autumn and winter special operations to crack down on illegal acts such as infringing on variety rights and producing or selling fake and inferior agricultural materials. During these operations, 12,150 law enforcers (times) inspected 4,923 production and trading enterprises (times), rectified 503 markets (times), investigated 83 cases, concluded 70 cases, imposed fines of RMB 375,400, and confiscated illegal gains of RMB 74,300.

Based on the characteristics of IPR cases of a local Customs, Jinling Customs carried out special law enforcement actions to protect IPRs in mailing and delivery channels in accordance with the overall arrangements of the General Administration of Customs for "Longteng Operation 2022" and "Clean Network Operation 2022" and the relevant requirements of Nanjing Customs. Throughout the year, the Customs handled 108 IPR cases, involving 1,074 batches of packages or commodities purchased on cross-border e-commerce platforms, and seized 24,039 items, including suitcases, clothes, and sporting goods. Xinhengwei Customs confirmed the rights of 6 batches of goods, with a value of RMB 2.1472 million. It seized 79 infringing storage bags and cases from the cross-border e-commerce channel, for which administrative penalties were meted out in accordance with the law. The Nanjing Lukou Airport Customs analyzed import and export data in an effort to identify the common characteristics of infringement cases. The Customs increased the number of mailed and delivered parcels or cases that were manually opened for inspection, and

enhanced the monitoring of imported or exported clothes, shoes, hats, leather goods, and electronic appliances. Throughout the year, the Customers accepted and investigated 6 clues for infringing goods, involving 1,200 items.

2. Judicial Protection

Judicial organs across the city performed their duties diligently to strengthen judicial IPR protection in accordance with the law.

The Nanjing Municipal Public Security Bureau carried out special operations such as "Huhang 2022", "Kunlun 2022", and "Cybersword 2022" to crack down unremittingly on IPR infringement crimes. The Bureau built a professional crackdown team, created new crackdown models, and advanced the three special operations focusing on the crackdown of "protective umbrella" behind the scene, criminal chains, and gangs. During the special operations, the Bureau arrested 302 suspects, destroyed 68 criminal dens that produced or sold counterfeits, and seized over 190,000 fake and shoddy items, involving a value of more than RMB 200 million. In 2022, the Bureau investigated 3 cases supervised by the Ministry of Public Security and 2 cases supervised by the Public Security Department of Jiangsu Province. The solved cases involved a variety of fields, including symbols of Beijing 2022, book copyrights, brand bags, sports equipment, and trademark rights of electronic products. The solving of these cases effectively deterred criminals and safeguarded the legitimate rights and interests of enterprises and individuals. The "2.11" production and sale of counterfeit and shoddy products case handled by the Nanjing Municipal Public Security Bureau

Qixia Branch was the first model case of Jiangsu province that involved infringement of Beijing 2022 trademarks and copyrights. The case was rated by the Ministry of Public Security as one of the top ten model cases for cracking down on online infringement and counterfeiting crimes in accordance with the law.

The procuratorial organs across the city increased their efforts for comprehensive IPR protection, fully implemented the system of informing right holders of their rights and obligations in IPR criminal cases to effectively safeguard the legitimate rights and interests of the infringed party. They attached great importance to the connection of administrative law enforcement with criminal justice and combined the two to create a law-based business environment. They actively participated in social governance, strengthened IPR procuratorial supervision, and explored the practice of supporting the infringed party of a civil case in initiating a legal action. When handling a case, the procuratorial organs extended social governance by putting forward procuratorial proposals to facilitate enterprise rectification and ensure that administrative organs perform their duties as they should. The procuratorial organs accepted a total of 7 IPR criminal cases concerning approving the arrest of 7 persons, approved 5 cases concerning the arrest of 5 persons, and disapproved 2 cases concerning the arrest of 2 persons. They accepted 56 IPR criminal cases concerning approving the prosecution of 151 persons, concluded 46 cases involving 105 persons, initiated a public prosecution against 99 persons in 45 cases, and decided not

to prosecute 6 persons. The case of copyright infringement by GuoXX Integrated Circuit Design Co., Ltd., Xu XX, and Tao XX handled by the Yuhuatai District People's Procuratorate was selected by the Supreme People's Procuratorate as a model case for procuratorial organs to protect IPRs and serve and support innovation-driven development. It was the only criminal case of copyright infringement among the 11 cases selected and the only case selected from Jiangsu province. The case was also rated by the Jiangsu Provincial Copyright Administration as one of the top ten model cases for Jiangsu's crackdown on copyright infringement and piracy in 2021. Three entities, including the Fourth Procuratorial Division of the People's Procuratorate of Nanjing City, Nanjing Railway Transportation Procuratorate, and Yuhuatai District People's Procuratorate, and four individuals were commended by the National Copyright Administration as meritorious entities or individuals for investigating and handling major infringement and piracy cases in 2021.

Courts across the city gave full play to their leading role in judicial IPR protection and heard cases fairly and efficiently, effectively curbing infringements. Besides, Nanjing established an IPR protection pattern characterized by cross-sector coordination, combination of administrative law enforcement and criminal justice, and connection of litigation and mediation. Courts across the city accepted 6,808 new IPR cases and concluded 7,300 cases. The Nanjing Intellectual Property Court accepted 1,615 new cases and concluded 1,856 cases, with a conclusion-acceptance ratio of 114.92%.

Adhering to the strategy of excellent trials, courts across the city produced a number of guiding high-quality cases, excellent judgment documents, and model court trials. Of the cases concluded, one was among the top ten IPR cases in Chinese courts, 3 among the top 50 model IPR cases in Chinese courts, 4 among model cases of judicial IPR protection in Jiangsu courts, and one among the third batch of model cases in Jiangsu courts for promoting the fine traditional Chinese culture. One judgment document won the third prize for excellent judgment documents of technology-related IPR and monopoly cases in courts nationwide; two court trials were among the 100 excellent court trials in Jiangsu courts, which has elevated Nanjing's IPR case trial reputation. The city's courts fully leveraged the driving effect that trials of technology-related cases has on technological innovation to help Jiangsu pioneer in the development of core cutting-edge technologies. The conclusion of China's first defense case in favor of General Public License (GPL) has significantly influenced how open-source software should be used reasonably in the software industry. The Nanjing Intellectual Property Court and Yuhuatai District People's Court were listed among meritorious entities for investigating and handling major copyright infringement and piracy cases (first batch) by the National Copyright Administration for their trial of the copyright infringement case involving Shanghai Gcore Integrated Circuit Design Co. Ltd. et al. The judicial protection of new plant varieties was enhanced to encourage independent innovation in the seed industry. The Intermediate People's Court of Nanjing City and Jiangsu Academy of

Agricultural Sciences signed the Memorandum of Cooperation on Strengthening the Protection of Intellectual Property Rights in the Seed Industry, established the province's first "Seed Industry Revitalization Intellectual Property Rights Judicial Protection Base", and released the White Paper on Judicial Protection of New Plant Varieties (2012-2021). Of the cases concluded, 2 were among the second batch of model cases of people's courts for judicial protection of IPRs in the seed industry and 3 were among the top ten model cases of the Ministry of Agriculture and Rural Affairs for the protection of new agricultural plant varieties in 2022. "Work Experience Regarding Strengthening Judicial Protection for the Revitalization of the Seed Industry" was selected by the State Council as one of the first batch of model cases for building China into an intellectual property powerhouse. To foster a digital economy ecosystem, the city's courts held a special press conference to release the Top Ten Model Cases of Nanjing Courts Escorting the Development of Digital Economy Through the Rule of Law". Nanjing courts severely cracked down on trademark infringements and unfair competitions such as malicious squatting of trademarks, "brand counterfeit", and "brand free-riding". They delivered more damage compensation and applied the punitive compensation system according to law, which has significantly increased the cost of infringements and illegal acts. The courts ordered a compensation over RMB 1 million in 49 cases, over RMB 5 million in 9 cases, and over RMB 10 million in 4 cases. One case applicable to punitive compensation was selected as a model case of the people's courts

implementing the Civil Code (the first batch).

V. Mechanism Construction

The Nanjing Intellectual Property Office spared no effort to help enterprises use intellectual property strategies more effectively. It improved the new patent navigation model for industries, parks/zones, and enterprises, guiding them to embrace sustainable development, provide precise services, and improve R&D effectiveness, respectively. The JSIPO reported Nanjing's unique practice of "patent navigation for each park/zone and industry" to the CNIPA as experience. Nanjing pioneered in Jiangsu province the establishment of a monitoring and evaluation system for high-value patent centers. Nanjing was the first in the province to establish intellectual property workstations that helped enterprise out of difficulty by providing immersive IPR services featuring "online cloud" and "offline station". The Nanjing Intellectual Property Workstation Construction and Service Specifications has been approved as local standards. Efforts were made to promote the integration of GIs with the development of Nanjing's specialty industries, ecological civilization, cultural heritage, and rural revitalization. The number of the city's GI trademarks has doubled.

The Nanjing Intellectual Property Office kept improving its capabilities for intellectual property operations and services. An intellectual property operation and service system featuring "one core, two wings and multiple platforms" has been built, which integrated technological innovation, operations and transactions, and financial capital. The city's special patent

transfer program covers all major high-tech parks/zones in Nanjing. In 2022, the city recorded a total of 17,669 transactions in patent transfer and licensing, with a transaction amount of RMB 11.545 billion. The Office promoted the implementation of a pilot program for open patent licensing. A total of 101 licensing transactions were completed. With the focus on IPR securitization, the Office enhanced IPR financial innovation, built a service platform for IPR securitization and financing, and established an incubator for financing enterprises. The Office expanded the coverage of IPR public services, supported the pilot program for introducing overseas patent agencies, and set up one-stop IPR service windows. Jiangning District was approved as a national IPR service export base.

The Nanjing Municipal Copyright Bureau established a service platform of copyrighted creative digital content, including illustrations, pictures, fonts, music, and videos. By integrating domestic high-quality material resources, the platform served as a standardized, one-stop, and low-cost solution to the legitimate use of copyrighted materials for publicity, thus fundamentally eliminating the use of materials of unknown origin and avoiding infringements.

The Nanjing Municipal Science and Technology Bureau took scientific and technological innovation as a key variable for overall and well-targeted development of the city. The Bureau worked hard to promote comprehensive innovation with scientific and technological innovation at the core, deepened the reform of the scientific and technological system, boosted strategic

scientific and technological strength, fostered innovation entities, and promoted the transformation of scientific and technological achievements. By supporting the development of innovation entities, the Bureau promoted IPR output and convergence, improved the technology transfer system, and advanced the transformation of scientific and technological achievements, allowing science and technology to empower development and become the first productive force for the city's high-quality economic development. In 2022, Nanjing was selected to be a pilot city for the reform of the evaluation of scientific and technological talents and was approved to build a national pilot zone for scientific and technological innovation and financial reform. The Jiangsu Provincial Department of Science and Technology clearly expressed its support for Nanjing to build itself into a regional science and technology innovation center in China. Nanjing ranked 8th among global research cities for four consecutive years and jumped to 2nd place in the ranking of innovation capability of national innovative cities.

With focus on IPR creation and application, the Nanjing Municipal Bureau of Industry and Information Technology kept improving the enterprise-centric technological innovation system and took invention patent data, such as the number of valid patents and the number of patent applications accepted in the year, as important indicators for enterprise technology centers to identify and assess enterprises. It selected a number of enterprises with strong IPR performance into enterprise technology centers at all levels for cultivation in an effort to promote the development of national,

provincial, and municipal enterprise technology centers. In 2022, Nanjing established 85 new national and provincial enterprise technology centers, bringing the total number of the city's enterprise technology centers at or above the provincial level to 467, ranking in the forefront in the province. The Bureau vigorously advanced the cultivation of specialized, refined, unique, and innovative "little giants" to accelerate the formation of innovative enterprises with independent IPRs. A multi-layer cultivation project was implemented to guide small- and medium-sized enterprises to focus on their main business and promote the development of specialized, refined, unique, and innovative enterprises in the manufacturing industry. Cumulatively, Nanjing has fostered 21 leading manufacturers and 106 specialized, refined, unique, and innovative "little giants".

The Nanjing Municipal Bureau of Justice implemented the decisions and arrangements of the central, provincial, and municipal Party committees on the rule of law to comprehensively promote IPR protection. The Bureau actively explored the participation of notary offices in IPR protection throughout the process of IPR incubation, creation, application, and circulation. The Nanjing Notary Office developed China's first Enterprise Trade Secrets Protection Platform, which has been put into service in the China (Jiangsu) Pilot Free Trade Zone Nanjing Area. So far, the platform has had 1,035 registered enterprises and 6,668 uploaded confidential documents. The platform was listed by the provincial government among the third batch of pilot reform experience of China (Jiangsu) Pilot Free Trade Zone to be

replicated and promoted across the province. China's first IPR asset digital trading platform with an embedded notary module developed by the Nanjing Notary Office that provides full notary protection has been operating smoothly. The platform has signed contracts with over 1,500 long-term agency users, has over 460,000 patents on sale, and has completed 160,000 patent and copyright transactions, with a cumulative transaction amount of more than RMB 900 million. Over 2.8 million patents are to be verified and converted into digital goods. The Nanjing Notary Association set up an information committee, which gathered excellent IPR professionals from all notary offices in the city. The committee held regular meetings to discuss theoretical issues related to IPR notarization and developed cutting-edge IPR notarization products, which have effectively improved the team's comprehensive capabilities. In 2022, notary offices across the city handled about 14,200 IPR cases, involving a value of nearly RMB 500 million. The number of law firms in Nanjing with patent agency qualifications climbed to 33. The case of disputes over false engineering picture publicity, which was represented by a Nanjing IPR lawyer, was selected as one of the top ten model anti-unfair competition cases in 2022. The case involving an invention patent infringement with respect to the "reverse payment agreement related to the patent for Saxagliptin Tablets", which was represented by a Nanjing IPR lawyer, was among the top ten model anti-trust cases in 2022. The paper Private Law Regulating Copyright Abuse of Open-source Software: Taking

the GPL Open-source Licensing Model as an Example won a second prize at the "Yangtze River Delta Rule of Law Forum".

The Nanjing Municipal Bureau of Agriculture and Rural Affairs encouraged and supported cooperation between seed enterprises and scientific research institutions to accelerate the cultivation of a number of specialized new varieties that are high-yielding, green, superior, water-saving, grain-saving, and suitable for machine operation and using as fodder. The Bureau kept promoting the building of GI agricultural product brands and invested RMB 11.7 million to complete the Jiangning "Hengxi Watermelon" GI protection project and implement the Luhe "Longchi Crucian" and "Yongning Freshwater Shrimp" GI protection projects.

The Nanjing Municipal Bureau of Commerce developed a practical application mechanism on the credit information of e-commerce enterprises, launched special operations to crack down on infringement and counterfeiting in the Internet field, established a mechanism for the use of credit information and reports, and persisted in the credit commitment and credit review system. The Bureau, in cooperation with provincial and municipal e-commerce associations and law firms, held a seminar on the development of e-commerce enterprises during the COVID-19 pandemic. Enterprises such as Suning, Huitongda, Weslink were invited to a discussion about the control of e-commerce IPR protection standards and the difficulties of IPR protection for cross-border e-commerce platforms in the current environment. The Bureau also promoted the building of the first batch of

e-commerce demonstration cities nationwide and strengthened IPR protection for the 2022 Jiangsu E-commerce Livestreaming Festival to facilitate the healthy and rapid development of livestreaming e-commerce.

Jinling Customs continued to promote the Customs-enterprise communication system for IPR protection in its jurisdiction, consolidated the cultivation results of key enterprises, conducted extensive investigations on enterprises' IPR creation, application, and protection, and advised import and export companies on how to use IPR Customs protection measures to protect their legitimate rights and interests. To optimize enterprise cultivation, Jinling Customs conducted a survey on its current IPR protection situation and the needs of enterprises for law enforcement services.

The procuratorial organs across the city established a "1+13" procuratorial alliance for IPR protection. The Nanjing Railway Transportation Procuratorate signed the Opinions on Strengthening Cooperation in Intellectual Property Procuratorial Work with 13 district procuratorates, including the Xuanwu District Procuratorate. These procuratorates worked together to strengthen case-handling coordination, improve clue transfer, establish a mechanism for opinion solicitation and information sharing, promote publicity, and improve services, achieving a full coverage of services for IPR protection. The work report of the procuratorial alliance was published on the newsletter of the People's Procuratorate of Jiangsu Province. To strengthen the professionalism of IPR procuratorial work, the People's Procuratorate of Naging City selected

experienced prosecutors from criminal, civil, administrative, and public interest litigation divisions to form an IPR procuratorial work office, which is responsible for handling criminal, civil, administrative, and public interest litigation cases. The Nanjing Railway Transportation Procuratorate, fully leveraging its advantages as an organ specializing in the handling of IPR cases, established a cross-departmental case-handling team to launch four investigations into all IPR case, giving rise to a new case-handling model that integrates arrest, prosecution, supervision, and prevention.

The Intermediate People's Court of Nanjing City strengthened coordinated IPR protection, integrated itself into the coordinated intellectual property development in the Yangtze River Delta region, and led the establishment of the judicial IPR protection alliance and the judicial and administrative IPR protection alliance in the Nanjing Metropolitan Area. The Court and courts and market regulators of cities (districts) in the Nanjing Metropolitan Area jointly signed the Agreement on Administrative and Judicial Protection of Intellectual Property Rights in the Nanjing Metropolitan Area, established mechanisms for resource sharing as well as collaboration and consultation on IPR protection in the Nanjing Metropolitan Area to promote whole-chain IPR protection in the Area and pioneer the building in China of a innovation community and a new "highland" for IPR protection in a metropolitan area. Adhering to specialization, diversification, and standardization, the Court kept amplifying the brand effect of hiring full-time technical investigators. The "Nanjing Model" of introducing the

technical investigator system in IPR cases has caught the attention of a principal Supreme People's Court leader who ordered its promotion nationwide.

VI. Publicity and Consultation

In 2022, relevant departments actively engaged in intellectual property publicity.

The Nanjing Intellectual Property Office vigorously advocated intellectual property and innovation cultures and publicized intellectual property laws, regulations, policies, measures, and achievements in line with the Opinions on Strengthening the Protection of Intellectual Property Rights to create a good atmosphere for intellectual property work. Leveraging Nanjing's distinctive online "Ningzhiyuan" classroom and offline "Ningpinhui - Brand Salon", the Office organized activities for the "April 26" World Intellectual Property Day Publicity Week and the "May 10" China Brand Day to build up the atmosphere.

The Nanjing Municipal Copyright Bureau organized on-site activities for the "2022 Jiangsu Province & Nanjing City 'April 26' Copyright Publicity Week Launch Ceremony", including the launch ceremony for the Nanjing legitimate digital content service platform, the signing ceremony for an agreement on copyright transformation in Nanjing, and the launch ceremony for the "100 Jiangsu Copyright Lessons". The events were livestreamed and over 60,000 people participated in live discussions. The third Jiangsu (Nanjing) Copyright Trade Expo with the theme of "activate copyright

resources and stimulate innovative vigor" was covered by multiple central, provincial, and municipal media as well as network media. Over 30 news reports were published and they received more than 50 million hits.

With the help of brochures, publicity materials, and short animated videos it designed and produced, the Nanjing Municipal Landscape Bureau publicized the protection of new plant varieties to plant the protection awareness deeply in people's mind, guide enterprises to operate honestly and lawfully, protect the legitimate rights and interests of foresters and variety right holders in accordance with the law, and creates a fair and just market competition environment.

The Nanjing Municipal Bureau of Agriculture and Rural Affairs initiated a publicity week that was themed with "delivery of reliable agricultural materials to villages". More than 230 law enforcers and technicians (times) were mobilized to provide consulting services for over 6,000 people (times). They put up 27 banners and slogans and distributed over 5,000 promotional materials, including the List of Banded Pesticides, Legal Obligations of Pesticide Users, and Dos and Don'ts for Purchasing Agricultural Materials, over 8,000 pieces of "The Reminder Letter to Farmers Purchasing Agricultural Materials", and over 3,000 bags of high-quality agricultural materials such as seeds and fertilizers. The event was advertised in the media 11 times.

On important occasions such as the intellectual property publicity week and the Customs rule of law publicity day, Jinling Customs publicized main

measures for and achievements in strict IPR protection, inter-departmental and cross-regional law enforcement, optimization of law enforcement services, and legal publicity in both traditional and new media. The admonition publicity that combined online publicity with offline publicity, regular publicity with centralized publicity, and comprehensive dissemination of legal knowledge with well-targeted guidance was to create a social atmosphere in which IPRs are respected. The relevant reports were published in important media such as China Customs Times, news briefing of the General Administration of Customs, and Ningguan Information Express. Xinhengwei Customs held special legal publicity activities to improve enterprises' awareness of IPR Customs protection so that they would do business honestly, abide by laws, practice self-discipline, and protect their rights in accordance with the law. In response to their demands, the Customs explained to enterprises policies related to IPR Customs protection, Customs compliance management, and administrative penalties. The purpose was to guide import and export companies and agents to strengthen IPR protection and create a good business environment that advocates innovation and law-abiding operations.

The Nanjing Municipal Public Security Bureau further improved the police-enterprise cooperation mechanism for IPR protection, provided enterprise with door-to-door IPR services, publicized the importance of IPR protection and infringement acts and their consequences in all all-around way, ascertained enterprises' needs for IPR protection, advised on the

implementation of protection measures, and improved enterprises' capabilities for self-protection. Preventing Intellectual Property Rights Infringement Crimes, a short publicity video carefully produced by the Bureau was played rolling on major events such as the "April 26" World Intellectual Property Day and media in public areas such as buses and subways to expand the breadth of publicity and create a favorable atmosphere in which IPR protection is valued by all.

The People's Procuratorate of Nanjing City increased its efforts for IPR publicity and services with the conviction that high-quality IPR procuratorial work will lead to high-quality procuratorial work. With a commitment to always "being there to protect IPRs", the Procuratorate created the distinctive procuratorial culture brand "'4+' new engines", which was rated among the top ten cultural brands of Jiangsu procuratorates. The Procuratorate held a press conference, published a number of model cases, released a thematic promotional video, and publicly destroyed a batch of infringing products during the "April 26" IPR protection publicity week. The press conference, livestreamed by 21 news media including *Legal Daily*, Xinhuanet.com, and *The Chinese Procurators*, received more than one million views. The thematic promotional video was released by the Xinhua News Agency and received 620,000+ views on the same day. It was also played on big screens in the Xinjiekou CBD and at railroad stations. To better serve enterprises, the Procuratorate visited well-known innovative enterprises and industrial parks

in Nanjing to understand their needs, disseminate legal knowledge, and publish model cases, which has won praise from enterprises.

The Intermediate People's Court of Nanjing City, the People's Court of Qinhuai District, and the Qinhuai District Intellectual Property Office jointly held the "April 26 World Intellectual Property Day Theme Publicity & 5th Anniversary of Nanjing Intellectual Property Court Release Event". They released the Blue Book on the Judicial Protection of Intellectual Property Rights by Nanjing Courts (2017-2021 and the top ten IPR cases of Nanjing courts. The Intellectual Property Court of the Supreme People's Court sent a congratulatory letter, fully affirming the achievements Nanjing has made in trials of IPR cases.

VII. Education and Training

In 2022, intellectual property education and training advanced steadily.

The Nanjing Intellectual Property Office held 38 intellectual property training classes to improve professional capabilities of the city's intellectual property cadres, operations personnel, and practitioners and help high-tech enterprises implement their intellectual property strategies. More than 65,00 intellectual property talents of different levels and categories attended the training.

The Nanjing Municipal Bureau of Industry and Information Technology held training sessions on IPR protection, creation, and application, with the focus on quick patent examination, IPR "physical examination", and search accounts. A total of 133 enterprises attended the online training.

The Nanjing Municipal Bureau of Agriculture and Rural Affairs included the protection of agriculture-related IPRs in the content of training courses for high-quality farmers and grassroots agricultural technicians. The Bureau organized the advanced training class of teachers for the cultivation of Nanjing's high-quality farmers, the special training class on Seed Law and related laws and regulations, and the training class on seed sampling and testing technology. More than 230 government officials, supervisors, and technician received training on knowledge concerning the protection of agriculture-related IPRs.

Xinshengwei Customs strengthened training on law enforcement skills for IPR protection. Customs officers participated in the "Training on IPR Customs Protection in Yangtze River Delta Ecological, Green and Integrated Development Demonstration Zone", "Training on IPR Law Enforcement in Customs Area", the online training on IPR customs protection, and the "Interpret Laws with Cases" activity. By reviewing the case-handling process through cases studies, these training sessions or activities comprehensively improved the law enforcement skills of front-line customs officers.

VIII. International Exchanges

The Nanjing Intellectual Property Office intensified regional and international IPR cooperation. Through the Technology and Innovation Support Center (TISC), the Office established partnership with the WIPO and facilitated the implementation and transformation of international patents in Nanjing. Efforts were made to promote the development of a collaboration

mechanism for IPR protection and services in the Yangtze River Delta region and realize the sharing of resources.

The Nanjing Intellectual Property Office supported the WIPO and Nanjing University of Science and Technology (NUST) in setting up the 2022 WIPO-China Summer School in Nanjing. A total of 130 students from 18 countries, including China, South Korea, India, and the Philippines, attended this year's summer school. The course, which integrates intellectual property with other disciplines, includes lectures, case studies, simulation exercises, and Q&A discussions on topics related to "digital economy and intellectual property". During the two-week session, trainees received training on knowledge in the intellectual property field online and offline.

IX. Intellectual Property Arbitration

In 2022, the Nanjing Arbitration Commission concluded 150 IPR arbitration cases, involving a disputed amount of RMB 110 million.

The Intellectual Property Arbitration Court was built according to high standards. The Nanjing Arbitration Commission actively explored and formulated professional arbitration rules based on the characteristics of IPR disputes to provide more comprehensive, fair, and convenient arbitration services for parties to an IPR dispute case. The Commission built a smart arbitration system that enables online consultation, approval, hearing, and mediation of IPR cases and established an online resolution mechanism for arbitration and mediation of IPR disputes. In an effort to strengthen talent reserve, the Commission expanded the expert pool of the Intellectual

Property Arbitration Court to include 174 domestic and foreign IPR experts. It also strengthened the construction of the Jiangsu (Nanjing) Intellectual Property Arbitration and Mediation Center, and formulated the Key Points for Trials of Commercial Franchise Dispute Arbitration Cases to improve the quality and efficiency of handling for IPR cases.

X. China (Nanjing) Intellectual Property Protection Center

In 2022, China (Nanjing) Intellectual Property Protection Center, positioned as a research-oriented professional technical service organization for IPR protection, advanced towards its target in an orderly manner. The Center was among the first batch of pilot entities in China for rapid resolution of IPR disputes, won the "Best Presentation Award" at a national event of simulation presentation for resolution of IPR protection cases, and was awarded the honorary title "Women's Civilized Post of Jiangsu Province" in 2022. The China (Nanjing) Intellectual Property Protection Center has offered patent pre-examination services in the fields of new-generation information technology, biomedicine, energy conservation, and environmental protection. The Center recorded 3,352 registered agencies, received 4,739 patent pre-examination applications in the fields of new-generation information technology, biomedicine, energy conservation, and environmental protection, and accepted 3,634 applications, of which 3,203 were qualified and 2,608 were granted, The Center ranked first in the province and in the forefront among all protection centers in China in terms of the number of patent authorizations and pre-examination volume.

The Center completed the pilot program for multi-mode trial of patent re-examination and invalidation cases, accepted 9 patent re-examination pre-examination cases and 4 invalidation pre-examination cases, performed 3 remote trials of invalidation cases jointly with the CNIPA, and conducted one joint trial of invalidation and administrative adjudication cases. The joint trial is the first joint trial of "quick rights confirmation" and "administrative adjudication" in Jiangsu province. It is a key link for the China (Nanjing) Intellectual Property Protection Center to advance the national pilot program for "multi-mode trial of patent re-examination and invalidation cases". It can effectively promote the connection between administrative confirmation of rights and administrative adjudication, improve the trial efficiency of IPR cases, and reduce the burden of the parties involved.

The China (Nanjing) Intellectual Property Protection Center comprehensively strengthened IPR protection. The National Overseas Intellectual Property Dispute Response Center Nanjing Branch kept tracking overseas IPR dynamics of local enterprises. It monitored and excluded over 30 overseas information records of Nanjing-involved enterprises, and discovered and promptly provided guidance for 14 cases of overseas IPR disputes. The Branch invited experts to provide tailored plans for enterprises to cope with and resolve overseas IPR disputes. The Office released an early-warning analysis report on overseas IPR disputes in the respirator, perovskite, and smart grid dispatching technology industries in the Nanjing Metropolitan Area, established the Nanjing Metropolitan Area Foreign-related IPR Protection Alliance, and took the lead in China in

building a "highland" for the protection of overseas IPRs of enterprises in the metropolitan area. The China (Nanjing) Intellectual Property Protection Center steadily promoted the connection between litigation and mediation for IPR cases. Throughout the year, the Center received 245 authorized mediation cases, organized mediation for 121 cases, and successfully mediated 91 cases, with a success rate of 75%. It led the drafting and release of four standards for the mediation of IPR disputes, established the "Nanjing Model" for people's mediation of IPR disputes, and promoted the seamless connection between people's mediation and judicial protection of IPR disputes.

The Center actively carried out public-interest services, established the Nanjing IPR data support center, developed the "one-click generation of assessment reports" function, became the first of intellectual property protection centers nationwide to provide IPR assessment reports to innovation entities, helping them improve their ability to create, apply, and protect IPRs. Throughout the year, the Center has issued IPR assessment reports to over 260 innovative entities in Nanjing. To further improve local enterprises' awareness of preventing overseas IPR disputes and their capabilities to cope with such disputes, the Center held six special training sessions for over 1,000 people (times) throughout the year. These training sessions, from the perspective of practicability, solved tricky IPR problems that enterprises might encounter in the process of "going abroad", which has greatly improved their capabilities to deal with overseas IPR disputes.