

LICENSING AND INTELLECTUAL PROPERTY DEPARTMENT

In 2012, the activities of the Licensing and Intellectual Property Department (LIPD) were conducted in the following areas:

Industrial Intellectual Property Protection. Contacts continued with the Federal Institute of Industrial Property (FIIP) of the RF Federal Service for Intellectual Property (Rospatent) on applications for JINR patents that had undergone the formal FIIP expertise of Rospatent in 2009–2011. Changes, alterations and clarifications were agreed upon and included in the application documents according to the comments rendered by FIIP experts. A number of elaborations by JINR staff members were inspected: objects of legal protection were defined and classified according to the International Patent Classification (IPC); analogues and prototypes were searched; the technical level of these elaborations from the point of view of their patentability was defined.

Reports on patent studies according to GOST P-15.011-96 standards were issued. For eight elaborations, description and the invention formulae were compiled together with the authors, application packets were prepared and sent to the RF Rospatent to obtain the patents for:

- «A Device for Radiation Protection of Biological Objects in Experiments», authors: K. Voskarian, V. Gaevsky, G. Mitsyn;
- «A Method of Inductive Acceleration of Electrons», author: G. Dolbilov;
- «A Device for the Slope Angle Measurement», authors: Yu. Budagov, M. Lyablin;
- «A Device for Balanced Stabilized Power Supply for High-Capacity Consumers», authors: V. Kaplin, V. Karpinsky;
- «Gas-Dynamic Method to Register Balls That Move in a Cylinder Tube», authors: E. Shabalin, T. Petukhova, V. Shirokov;
- «Multilobe Collimator for Proton Ray Therapy», author: A. Agapov;
- «Ball-Type Cold Moderator of Neutrons», authors: V. Ananiev, A. Belyakov, M. Bulavin;
- «Cryogenic Ball Dosage Unit for the Cold Neutron Moderator», authors: E. Shabalin, S. Kulikov, A. Fedorov.

Twelve RF patents were received:

- (RU)2465620 «Drift Chamber for Operation in Vacuum», authors: L. Glonti, V. Kekelidze, Yu. Potrebenikov;
- (RU)2455800 «A Method of Electrostatic Acceleration of Macroparticles», author: S. Dolya;
- (RU)2451435 «A Method of Cyclic Acceleration of Charged Particles», author: G. Dolbilov;
- (RU)2455801 «A Method to Decrease Energy Span of a Particle Beam in the Cyclotron», authors: S. Vorozhtsov, V. Smirnov;
- (RU)2450260 «A Method to Determine the Magnetic-Noncolinear Capacity of a Nanolayer», author: Yu. Nikitenko;
- (RU)2444727 «A Method to Determine Space Distribution of the Nanolayer Magnetization», author: Yu. Nikitenko;
- (RU)2442941 «A Method of Magnetic Dipole Acceleration», author: S. Dolya;
- (RU)2456782 «A Method of Macroparticle Acceleration», author: S. Dolya;
- (RU)2445649 «Neutron Spectrometer on the Basis of the Proton Telescope», authors: A. Bogdzal, Ts. Panteleev, V. Milkov;
- (RU)2452021 «A Method to Produce the Carrier-Free In-111 Radioisotope», author: V. Domanov;
- (RU)2448387 «A Method to Produce High-Charge Ion Beams», authors: S. Dolya, A. Kovalenko, K. Reshetnikova;
- (RU)2440840 «Pore Membrane and a Method of Its Production», authors: P. Apel, S. Dmitriev, O. Ivanov.

In 2012, 39 JINR patents were supported.

Rospatent issues certificate Num. 2012619648 of 25.10.2012 on the state registration of the computer program «Application to Generate the Configuration of Grid Structure and the Initial Data Flux for Simulation of the Distribution System of Processing of Super-Large Information Amounts», authors: V. Trofimov, S. Efremov, I. Kadochnikov, A. Muraviev, A. Nechaevsky, A. Petrenko.

Patents and Information. In 2012, 144 issues of the Rospatent official gazette «Inventions. Utility Models» were received at JINR. The information published in the bulletins was processed with respect to the JINR topics. The processing results were presented

in 12 issues of the LIPD bulletins «Patents» distributed in departments of JINR. The Department stock is 2908 Rospatent bulletins.

The LIPD Internet page was regularly updated at the JINR Internet site.

Standardization. Standard library was supplemented: 45 new intergovernmental and state RF standard documents (GOSTs), 12 GOST directories and standard information directories, technical documentation and guidelines, recommendations and regulations were purchased in 2012. Technical regulations newly adopted for the use in departments were purchased in 2012 in sufficient number. Over 70 alterations were introduced into relevant documents of the standard library files and subscribers' copies. More than 19 GOST official copies were distributed in departments for permanent use.

Database and automatic search for norm documentation were developed on the basis of the LIPD archives. The access to the database was organized in the Internet page of LIPD.

The following organization standards were issued and launched:

- STO 08626319-005-2012 «Organization and Planning of Technical Maintenance and Repair

of Special Sewerage and Ventilation Systems at Radiation Sites of JINR»;

- STO 08626319-006-2012 «The General Quality Assurance Programme for Accomplishing the Activities of the Joint Institute for Nuclear Research in the Field of Atomic Energy Utilization»;
- STO 08626319-007-2012 «The General Quality Assurance Programme for Handling Radioactive Waste in JINR Departments»;
- STO 08626319-008-2012 «The Quality Assurance Programme for Utilization of Nuclear Materials and Radioactive Substances in Research & Development at JINR».

Alterations were introduced into the «Index of Regulatory Legal Acts and Normative Documents Used at JINR for Accomplishing the Activities in the Field of Atomic Energy Utilization».

Licensing. In 2012, JINR obtained licenses of the appropriate Federal Executive bodies of the Russian Federation:

- To use nuclear materials and radioactive substances in R&D;
- To operate nuclear facility;
- To render telematic communication service.