

## Cereri de Brevete inregistrate si publicate in perioada 2013-2017

[1/2013] M. E. Borda, O. Tornea, R. Terebes, and E. R. Malutan, "OTP ENCRYPTION SYSTEM AND METHOD BASED ON RANDOM SEQUENCES DETERMINED BY DNA STRUCTURES," RO129751-A2.

[2/2013] S. Brad, "Intelligent automation system for monitoring and configuring functionality of intelligent equipment, comprises main control unit that controls connection change of external world with intelligent input or output equipments," EP2720096-A2; EP2720096-A3.

[3/2013] S. Breban, V. Mester, and C. A. Oprea, "Axial flux permanent magnet electrical machine for use with e.g. wind turbine, has stator or rotor including discrete windings that are mounted radially at equal distance, with hollow spaces and on inner windings support," EP2869433-A1; EP2869433-B1.

[4/2013] A. Butuza and M. C. Balan, "PROCESS AND INSTALLATION FOR REMOVING DEPOSITS FROM THE SURFACE OF FLAT SOLAR COLLECTORS," RO129828-A2.

[5/2013] S. Crisan, "OPTO-ELECTRICAL DEVICE WITH FIDUCIAL MARKS FOR INTERFACING WITH MULTI-POINT TOUCH OPTICAL SYSTEM," RO130017-A2.

[6/2013] C. S. Curta, "METHOD AND POSITIONING DEVICE FOR MAGNETICALLY STIMULATING CRANIAL TISSUES," RO129860-A2.

[7/2013] C. A. Oprea, "Polyphase linear electric generator with polygonal cross-section consists of a mobile part made of circular axially magnetized permanent magnets and poles made of solid magnetic material," RO129912-A2.

[8/2013] N. Plitea, D. L. Pisla, L. C. Vaida, B. G. Gherman, A. C. Szilaghyi, B. A. Galdau, *et al.*, "PARALLEL ROBOT BRACHYTHERAPY WITH TWO LINKAGES FOR GUIDING THE PLATFORM (NEEDLE) OF 2CRRU AND CRU TYPE," RO129696-A2.

[9/2013] N. Plitea, D. L. Pisla, L. C. Vaida, B. G. Gherman, A. C. Szilaghyi, B. A. Galdau, *et al.*, "PARALLEL ROBOT FOR BRACHYTHERAPY WITH TWO LINKAGES FOR GUIDING THE PLATFORM (NEEDLE) OF CRRU AND CYL-U TYPE," RO129697-A2.

[10/2013] N. Plitea, D. L. Pislă, L. C. Vaida, B. G. Gherman, A. C. Szilaghyi, B. A. Galdau, *et al.*, "PARALLEL ROBOT FOR BRACHYTHERAPY WITH TWO LINKAGES FOR GUIDING A PLATFORM OF CYL-U TYPE," RO129698-A2.

[11/2013] N. Plitea, D. L. Pislă, L. C. Vaida, B. G. Gherman, A. C. Szilaghyi, B. A. Galdau, *et al.*, "PARALLEL ROBOT FOR BRACHYTHERAPY WITH TWO PARALLEL MODULES, ONE FOR POSITIONING AND ONE FOR ORIENTATION," RO129699-A2.

[12/2013] E. Sabau, N. O. Balci, and P. P. Bere, "PROCESS AND COMPOSITE MATERIAL FOR MANUFACTURING SYNTHETIC ORNAMENTAL PLATES," RO130062-A2.

[13/2013] A. E. Tiuc, T. Rusu, and O. Nemes, "Soundproofing composite material comprises fir sawdust grains and polyurethane foam," RO129228-A0; RO129228-B1; RO129228-A8.

[14/2013] C. Ciupan, E. Ciupan, and R. A. Petrus, "Amplification system for high pressures consists a sonic generator (1) comprising a shaft," RO131458-A2.

[15/2014] I. Chicinas, T. F. Marinca, F. Popa, and B. V. Neamtu, "NANOSTRUCTURED POWDER OF PERMALLOY (SUPERMALLOY) RHOMETAL TYPE AND PROCESS FOR PREPARING THE SAME," RO130354-A0.

[16/2014] D. Fodorean, "Magnetic reduction gear with stepped transmission ratio used for transferring torque and rotary speed of a rotating electrical machine," RO130450-A0.

[17/2014] V. Nasui, "TELESCOPIC ACTUATOR FITTED WITH SLIDES," RO130517-A2.

[18/2014] D. M. Petreus, R. Etz, T. M. Patarau, T. Frentiu, E. Darvasi, and S. I. Cadar, "METHOD AND ELECTRONIC DEVICE FOR THE CONTROL OF TEMPERATURE OF A METALLIC FILAMENT BY INDIRECT MEASUREMENT," RO130281-A0.

[19/2014] M. Tintelecan, "DEVICE FOR WIPING-OFF STEEL WIRES SURFACE AFTER ZINC-COATING," RO130512-A2.

[20/2014] E. Dulf, R. A. Munteanu, C. Festila, *et al.*, "DIRECT SIMPLIFIED ALGORITHM FOR DETERMINING THE FREQUENCY RESPONSE TO SINUSOIDAL SIGNALS," RO131240-A2.

[21/2014] S. D. Mandru, B. Chetran, S. Noveanu, *et al.*, "Modular exoskeleton with applications in upper limb recovery, has modular structure which allows development of exoskeleton family," RO131188-A2.

[22/2014] B. Mocan, and V. Bintintan, " METHOD AND LAPAROSCOPIC INSTRUMENT FOR ACCURATE COLON-RECTAL TUMOUR EXTRALUMINAL LOCALIZATION," RO131186-A2.

[23/2014] S. Butaciu, S. I. Cadar, E. Darvasi, *et al.*, " MINIATURIZED ANALYSER WITH RHODIUM-FILAMENT EVAPORATOR FOR SIMULTANEOUS DETERMINATION OF ELEMENTS FROM LIQUID MICRO SAMPLES BY OPTICAL EMISSION SPECTROMETRY," RO131066-A2.

[24/2014] H. Vermesan, and M. Chira, " Stand for tribocorrosion study, has table with support sustaining two linear-displacement modules," RO130936-A2.

[25/2014] V. D. Zaharia, S. Crisan, R. A. Munteanu, *et al.*, " ELECTRONIC APPARATUS FOR FACILITATING VISION-IMPAIRED PERSONS' INTERACTIONS WITH THE ENVIRONMENT," RO130662-A2.

[26/2015] G. L. Baia, M. Begea, A. Ciric, G. Craciun, L. Craciun, V. Danciu, *et al.*, "PROCESSES FOR OBTAINING INTELLIGENT FOOD PACKAGES," RO130496-A0.

[27/2015] M. Nasui, T. Petrisor, R. B. Mos, *et al.*, "CHEMICAL METHOD FOR PREPARING EPITAXIAL FILMS OF STRONTIUM-DOPED LANTHANUM MANGANITE  $\text{La}_{0.66}\text{Sr}_{0.33}\text{MnO}_3$  (LSMO)," RO131325-A2.

[28/2015] A. Pislă, L. C. Vaida, and D. L. Pislă, "Parallel robot for manipulation and spatial orientation systems-simos consists of two modules, M1 and M2," RO131957-A2.

[29/2015] N. Plitea, D. L. Pislă, L. C. Vaida, *et al.*, "Parallel robots family for transperineal biopsy of prostate, has module guiding ultrasound probe and needle of biopsy gun," RO131378-A2.

[30/2015] R. G. Danescu, "DEVICE AND METHOD FOR PRECISE REMOTE SYNCHRONIZATION OF SYSTEMS FOR ASTRONOMICAL OBSERVATION," RO131751-A2.

[31/2015] F. N. Jurca, and M. Ruba, "RIM WITH BUILT-IN ELECTRIC MOTOR SYSTEM FOR ELECTRIC VEHICLES," RO131110-A0.

[32/2015] O. Hancu, V. Maties, C. Rad, *et al.*, "MECHATRONIC DRIVING AND POSITIONING SYSTEM FOR APPLICATIONS IN PRECISION AGRICULTURE," RO130906-A0.

[33/2015] P. D. Teodosescu, M. S. Sabau, C. S. Norbert, *et al.*, "ELECTRONIC DEVICE FOR LED LIGHTING SYSTEMS," RO131169-A0.

[34/2015] I. Chicinas, T. F. Marinca, F. Popa, *et al.*, "Composite powders, such as ferromagnetic alloy/soft magnetic ferrite with pseudo core-shell structure and process for preparing the same," RO131592-A0.

[35/2016] S. Breban, M. Chirca, A. V. Neag, *et al.*, "Electro mechanical actuator with electronic control device, meant for rotary actuation of any element or equipment which needs maximum angular rotation," RO131166-A0; RO131166-A3.

[36/2016] D. L. Baldean, F. E. Mariasiu, and N. Burnete, "METHOD FOR MULTI-FUEL SUPPLY OF INTERNAL COMBUSTION ENGINES WITH AEROSOLS PRODUCED BY ULTRASONICATION FROM ALCOHOL-BASED BIOFUELS," RO131509-A0; RO131509-A3.

[37/2016] D. Moga, I. Kovacs, N. Stroia, *et al.*, "AUTOMATIC SYSTEM FOR MEASURING POSITION OF PENDULUM WIRES," RO132114-A0.

[38/2016] M. C. Luculescu, A. L. Boer, S. C. Zamfira, *et al.*, "METHOD FOR HYPERSPECTRAL DATA ACQUISITION AND PROCESSING USING SPECTROMETERS," RO132011-A0.

[39/2016] C. Ciupan, M. Steopan, E. S. Pop, "Reconfigurable gear box consists of kinematic groups comprising some fixed gear wheels positioned on some shafts, by means of some spacers," RO132365-A2.

[40/2016] T. Frentiu, M. Ponta, E. Darvasi, *et al.*, "MICRO-ANALYTIC METHOD FOR SIMULTANEOUS MULTI-ELEMENT DETERMINATION BY ELECTROTHERMAL SAMPLE VAPORIZATION AND DETECTION BY OPTICAL

EMISSION SPECTROMETRY IN LOW-POWER PLASMA MICROTORCHES," RO132396-A2.

[41/2016] S. Crisan, B. Tebrean, M. S. Emerich, *et al.*, "PLURISENSORIAL ELECTRONIC DEVICE FOR BIOLOGICAL VALIDATION OF SAMPLES IN HAND VEIN PATTERN BIOMETRICS," RO131764-A0.

[42/2016] F. N. Jurca, and R. A. Inte, "SYNCHRONOUS MACHINE WITH VARIABLE RELUCTANCE, IN MODULAR CONSTRUCTION, FOR ELECTRIC BICYCLE DRIVE," RO131721-A0.

[43/2016] L. C. Vaida, D. L. Pisla, P. G. Tucan, *et al.*, "Parallel robot for transperineal prostate biopsy comprises two modules and one for guiding the endorectal echographic probe and the other for guiding the biopsy gun," RO131765-A2.

[44/2017] B. G. Gherman, D. L. Pisla, N. Plitea, *et al.*, "Robot family for medical recovery of upper limb, has framework with rotational couplings," RO132234-A0.

[45/2017] L. C. Vaida, N. Plitea, D. L. Pisla, *et al.*, "Spherical robot for medical recovery of upper limb proximal area, has active couplings and spherical mechanism," RO132233-A0.

[46/2017] D. Pisla, C. Vaida, I. Birlescu, *et al.*, " AUTOMATED MEDICAL INSTRUMENT FOR RADIOFREQUENCY ABLATION," A/00379/10.06.2017.

[47/2017] D. Pisla, C. Vaida, I. Birlescu, *et al.*, "AUTOMATED MULTI NEEDLE MEDICAL INSTRUMENT FOR BRACHYTHERAPY," A/00431/29.06.2017.

[48/2017] V. D. Leordean, S. A. Radu, S. C. Cosma, *et al.*, " MANUFACTURE PROCESS OF MULTI-STRUCTURAL CUSTIMIZED IMPLANTATS MADE BY AM TECHNOLOGIES," A 2017 00296.

[49/2017] B. Mocan, M. Mocan, " ARTERIAL PUNCTURE DEVICE FOR ARTERIAL BLOOD GAS SAMPLING FROM RADIAL ARTERY AND METHOD FOR USING THE DEVICE," A/00475/13.07.2017.

[50/2017] M. Safriuc, C. Ciupan, E. Pop, " Traffic signaling device for vehicles and special situations and its operating method," A/10058/2017.

[51/2017] E. H. Dulf, R. A. Munteanu, C. Festila, *et al.*, " WIND TURBINE," A100985/22.11.2017.

[52/2017] L.C. Miclea, S. Enyedi, I. A. Ştefan, *et al.*, "METHOD FOR MAKING INTEROPERABLE THE DATA WHICH ORIGINATED FROM SCADA TYPE SYSTEMS, BY ESTABLISHING A FEDERATIVE STRUCTURE," A/10061/2017.

[53/2017] I. Nascu, P. C. Darab, R. D. Crisan, *et al.*, "METHOD FOR AUTOMATIC TUNING OF THE PID CONTROLLERS PARAMETERS," A/01004/29.11.2017.