

ENGINEERING TECHNOLOGIES

NEW MATERIALS

ALRESIST NEW ALLOY FOR USE AT ELEVATED TEMPERATURES HAVING IMPROVED WEAR RESISTANCE AND LOW THERMAL EXPANSION COEFFICIENT

CERMET COMPOSITE DEVELOPED FOR USE IN ADVERSE OPERATING CONDITIONS INCLUDING HIGH PRESSURE, HIGH TEMPERATURE, CORROSIVE ENVIRONMENTS SUCH AS THOSE FOUND IN INTERNAL COMBUSTION ENGINES

DESIGNING AND MANUFACTURE OF NANOCOMPOSITE MATERIALS FROM CARBON NANOTUBES (CNT)

GASAR

GAZARS AS A NEW TYPE OF POROUS MATERIALS

HEAT-RESISTANCE INCREASE IN CASTINGS MADE OF COMPLEX ALLOYED AND INOCULATED CAST IRONS

HIGH EFFECTIVE COMPOSITE WELDING WIRE: TECHNOLOGY OF MANUFACTURE AND PROPERTIES

INNOVATION TECHNOLOGY OF FUNCTIONAL AND PROTECTIVE COATINGS MANUFACTURING

INOCULANT FOR METALLURGICAL EQUIPMENT CASTINGS

LOW-ALLOYED NON VANADIUM-CONTAINING NITRIDE-STRENGTHENED STEELS

MANUFACTURE OF ENGINEERING PRODUCTS MADE OF HIGH-CHROMIUM IRON-CARBON ALLOYS WITH NANOSTRUCTURED MATRIX

MODIFYING TECHNOLOGY OF CONSTRUCTIONAL AND PISTON ALLOYS OF AL-SI SYSTEM

NEW TECHNOLOGY OF PRODUCTION "SOLAR" SILICON WITH INCREASED ELECTROPHYSICAL PROPERTIES

NEW UNTOXIC PIGMENTS FOR ANTICORROSION PRIMERS

ONE-STAGE PROCEDURE OF PRODUCING HIGH-QUALITY THERMOANTHRACITE IN ELECTRIC CALCINATOR WITH HIGH LINING DURABILITY

PRODUCTION OF BEARING STEEL WITH STANDARDIZED ASTM E-45 AMOUNT OF NON-METALLIC INCLUSIONS DUE TO SPECIFIED CHEMICAL AND MINERAL COMPOSITION

PRODUCTION OF FUNCTIONAL AND PROTECTIVE COATINGS

PRODUCTION OF GRAPHITE-LIKE AND WURTZITE-LIKE BORON NITRIDE

SUPER-LOW CARBON STEEL MELTING AND ITS EXTRA-FURNACE TREATMENT FOR PRODUCING HIGH-PLASTICITY STEEL

TECHNOLOGY OF DEOXIDATION AND LADLE TREATMENT FOR HIGH STRENGTH ROD WIRE MANUFACTURE

TECHNOLOGY OF MECHANICAL ENGINEERING PRODUCTS FROM HIGH CHROMIUM IRON-CARBON ALLOYS WITH NANOSTRUCTURE MATRIX

TECHNOLOGY OF REDUCTION OF SUPERFICIAL LAYERS OF THE OXIDIZED CONSTITUENTS OF IRON ORES BY ELECTROLYSIS

THE NOVEL MECHANISM OF PERITECTIC REACTION OPEN A LOT OF WAYS OF INCREASING STEEL'S PROPERTIES WITHOUT SIGNIFICANT FUNDING INVESTMENT. SOME OF THOSE APPLICATIONS ARE THE FOLLOWING

THE RECEPTION TECHNOLOGY OF MECHANICAL ENGINEERING PRODUCTS FROM HIGH CHROMIUM IRON-CARBON ALLOYS WITH NANOSTRUCTURE MATRIX

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TECHNOLOGIES FOR MATERIALS PRODUCTION

COLD CONTINUOUS DIE ROLLER ROLLING OF THE EXTRA-THINWALLED TUBES

CONVERTER BATH BLOWING THROUGH DOUBLE-LAYER TUYERE

CONVERTER PRODUCTION OF STAINLESS STEELS (GOR PROCESS)

DEOXIDATION AND EXTRA-FURNACE TREATMENT OF STEEL FOR MANUFACTURING HIGH TENSILE STRENGTH WIRE ROD IN ORDER TO REDUCE BREAKAGE WHILE DRAWING

DEVELOPMENT OF NEW TECHNOLOGY FERYTNOHO (WARM) ROLLING LOW CARBON STEEL OSOBYVOTONKOLYSTOVOYI FOR COLD STAMPING OR DEEP DRAWING

EFFECTIVE TECHNOLOGIES OF UTILIZATION OF METALLURGY AND MASHYNERY WASTES

EXTRA-FURNACE TREATMENT OF IRON-CARBON MELTS FOR THEIR REFINING AND MODIFICATION BY ELECTRIC ARC DEPRESSION

FERRITE (WARM) ROLLING OF EXTRA-THIN LOW-CARBON AND ULTRA-LOW-CARBON STEEL FOR COLD STAMPING OR DEEP DRAWING

IMPROVED TECHNOLOGY OF METAL DEGASSING BY GAS MIXTURES AT LADLE TREATMENT

INNOVATIVE TECHNOLOGY OF BORON CARBIDE PRODUCTION AND WURTZITELIKE AND GRAPHITELIKE BORON NITRIDE PRODUCTION

PRECISION SEAMLESS TUBES TECHNOLOGY ELEMENTS OF PILGER ROLLING TECHNICAL AUDIT & INNOVATION

PRODUCTION OF BORON CARBIDE

PRODUCTION OF CORROSION-RESISTANT STEELS BY CONVERTER METHOD (USING GAS OXYGEN REFINING PROCESS)

PRODUCTION OF FERRONICKEL AND MANGANESE FERROALLOYS

PRODUCTION OF HIGH-QUALITY CASTINGS MADE OF REMELTED ALUMINIUM WROUGHT ALLOY SCRAP

PRODUCTION OF LOW-CARBON FERROSILICOMANGANESE

PRODUCTION OF ROLLING MILLS USING COMPLEXLY INOCULATED CAST IRONS

REDUCTION OF METAL LOSS IN SUPPLY RISER

TECHNOLOGY OF ELECTROLYTIC COPPER MICROPOWDER CREATING

TECHNOLOGY OF LOW - CARBON MANGANESE SILICON

TECHNOLOGY OF MELTING AND LADLE TREATMENT OF SUPER LOW CARBON STEEL FOR HIGH PLASTICITY ROD WIRE

THE SOLUTION OF METAL FORMING BOUNDARY VALUE PROBLEMS IN REAL TIME MODE

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TECHNOLOGIES FOR AUTOMATIC CONTROL OF TECHNOLOGICAL PROCESSES

AUTOMATIC CONTROL SYSTEM FOR THE ELECTRIC REGIMES OF FERROALLOY FURNACES (ACSER)

AUTOMATIC CONTROL SYSTEM FOR THE ELECTRIC REGIMES OF THREE-ELECTRODES (ACSEM-3) AND SIX-ELECTRODES (ACEMS-6) FERROALLOY FURNACES

BLAST FURNACE OPERATOR'S PC: AN INTERACTIVE SYSTEM

THE RADAR SYSTEM FOR MONITORING OF PROFILE CHARGE SURFACE IN BLAST FURNACE

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SUSTAINABLE ENERGY TECHNOLOGIES

APPLICATION OF SPACE-REGENERATIVE METHOD OF BURNING FUEL BY HEATING THE METAL IN INDUSTRIAL FURNACES

FUEL COMBUSTION HEAT RECOVERY BY MINIREGENERATORS IN HEATING FURNACES

PROCESSING OF BIOMASS AND OTHER ORGANIC WASTE TO PRODUCE WOODY COAL, HEAT AND ELECTRIC POWER

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