

**CPC****COOPERATIVE PATENT CLASSIFICATION****G21Y****INDEXING SCHEME RELATING TO NUCLEAR REACTORS, POWER PLANTS AND EXPLOSIVES, TO PROTECTION AGAINST RADIATION, TO THE TREATMENT OF RADIOACTIVELY CONTAMINATED MATERIAL, TO APPLICATIONS OF RADIOACTIVE SOURCES AND TO THE UTILISATION OF COSMIC RADIATION****NOTE**

This subclass constitutes an internal scheme for indexing only, relating to problems ([G21Y 2002/00](#)) or solutions ([G21Y 2004/00](#)).

**G21Y 2002/00****PROBLEM**

- G21Y 2002/10 . Shortcomings in materials
- G21Y 2002/101 . Wear
- G21Y 2002/102 . Embrittlement
- G21Y 2002/103 . Corrosion
- G21Y 2002/104 . Inadequate performance, deformation, cracks, rupture
- G21Y 2002/20 . Operational shortcomings
- G21Y 2002/201 . Inadequate efficiency
- G21Y 2002/202 . Slowness of a process or function
- G21Y 2002/203 . Lack of manoeuvrability
- G21Y 2002/204 . Imprecision ( [measuring, positioning, guiding](#) )
- G21Y 2002/205 . Lack of Automation
- G21Y 2002/206 . Insufficient reliability (durability)
- G21Y 2002/207 . Abnormal conditions
- G21Y 2002/208 . Risk of human error
- G21Y 2002/30 . Design and construction shortcomings
- G21Y 2002/301 . Heavy, bulky, cumbersome constructions, shape
- G21Y 2002/302 . Fabricating, assembling, replacing, dismantling
- G21Y 2002/303 . Risk of damage

- G21Y 2002/304 . Lack of versatility, compatibility
- G21Y 2002/305 . Inadequate transportation
- G21Y 2002/306 . Non-compliance with regulations
- G21Y 2002/40 . Maintenance shortcomings (Servicing)
- G21Y 2002/401 . Inconvenient access
- G21Y 2002/402 . Complicated assembling, disassembling, replacing, dismantling
- G21Y 2002/50 . Safety, security and safeguard shortcomings
- G21Y 2002/501 . Radiation exposure
- G21Y 2002/502 . Lack of monitoring
- G21Y 2002/60 . Disposal shortcomings
- G21Y 2002/601 . Excess of irradiated inventory

**G21Y 2004/00      SOLUTION**

- G21Y 2004/10 . Compositions
- G21Y 2004/101 . Inherent characteristics
- G21Y 2004/20 . Obtaining improvement by treatment
- G21Y 2004/201 . Heat treatment
- G21Y 2004/202 . Cold working
- G21Y 2004/30 . Improving a design
- G21Y 2004/301 . Joints, fixing devices
- G21Y 2004/302 . Fluid mechanics, thermodynamics
- G21Y 2004/303 . Protection cover, catching devices
- G21Y 2004/304 . Redundancy, adding material or parts
- G21Y 2004/305 . Reducing size, material or number of parts
- G21Y 2004/40 . Improving a procedure
- G21Y 2004/401 . Automation
- G21Y 2004/402 . Inherent action

- G21Y 2004/403 . Tuning, adjustment
- G21Y 2004/50 . Repair, replacement
- G21Y 2004/501 . Improving a tool
- G21Y 2004/502 . Remote operation
- G21Y 2004/503 . in factory
- G21Y 2004/504 . on site
- G21Y 2004/60 . Reusing items, recycling
- G21Y 2004/601 . Discarding, Repository