

CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS (NOTES omitted)

NUCLEONICS

G21 NUCLEAR PHYSICS; NUCLEAR ENGINEERING

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](#)).

| 2002/00 | <u>PROBLEM</u> | | |
|----------------|---|----------|--|
| 2002/10 | . Shortcomings in materials | 2004/302 | . Fluid mechanics, thermodynamics |
| 2002/101 | . Wear | 2004/303 | . Protection cover, catching devices |
| 2002/102 | . Embrittlement | 2004/304 | . Redundancy, adding material or parts |
| 2002/103 | . Corrosion | 2004/305 | . Reducing size, material or number of parts |
| 2002/104 | . Inadequate performance, deformation, cracks, rupture | 2004/40 | . Improving a procedure |
| 2002/20 | . Operational shortcomings | 2004/401 | . Automation |
| 2002/201 | . Inadequate efficiency | 2004/402 | . Inherent action |
| 2002/202 | . Slowness of a process or function | 2004/403 | . Tuning, adjustment |
| 2002/203 | . Lack of manoeuvrability | 2004/50 | . Repair, replacement |
| 2002/204 | . Imprecision (measuring, positioning, guiding) | 2004/501 | . Improving a tool |
| 2002/205 | . Lack of Automation | 2004/502 | . Remote operation |
| 2002/206 | . Insufficient reliability (durability) | 2004/503 | . in factory |
| 2002/207 | . Abnormal conditions | 2004/504 | . on site |
| 2002/208 | . Risk of human error | 2004/60 | . Reusing items, recycling |
| 2002/30 | . Design and construction shortcomings | 2004/601 | . Discarding, Repository |
| 2002/301 | . Heavy, bulky, cumbersome constructions, shape | | |
| 2002/302 | . Fabricating, assembling, replacing, dismantling | | |
| 2002/303 | . Risk of damage | | |
| 2002/304 | . Lack of versatility, compatibility | | |
| 2002/305 | . Inadequate transportation | | |
| 2002/306 | . Non-compliance with regulations | | |
| 2002/40 | . Maintenance shortcomings (Servicing) | | |
| 2002/401 | . Inconvenient access | | |
| 2002/402 | . Complicated assembling, disassembling, replacing, dismantling | | |
| 2002/50 | . Safety, security and safeguard shortcomings | | |
| 2002/501 | . Radiation exposure | | |
| 2002/502 | . Lack of monitoring | | |
| 2002/60 | . Disposal shortcomings | | |
| 2002/601 | . Excess of irradiated inventory | | |
| 2004/00 | <u>SOLUTION</u> | | |
| 2004/10 | . Compositions | | |
| 2004/101 | . Inherent characteristics | | |
| 2004/20 | . Obtaining improvement by treatment | | |
| 2004/201 | . Heat treatment | | |
| 2004/202 | . Cold working | | |
| 2004/30 | . Improving a design | | |
| 2004/301 | . Joints, fixing devices | | |