

# 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	PROBLEM	2004/00	SOLUTION
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		
2004/10	. 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		