

Title (en)
IMPROVED PASSIVE NEUTRON COINCIDENCE AND MULTIPLICITY COUNTING

Title (de)
PASSIVE ERFASSUNG VON NEUTRONENKOINZIDENZEN UND VIELFATTEN

Title (fr)
COMPTAGE PERFECTIONNE DES MULTIPLICITES/COINCIDENCES DE NEUTRONS

Publication
EP 1025455 A2 20000809 (EN)

Application
EP 99969586 A 19990727

Priority
• US 9916956 W 19990727
• US 9441698 P 19980728

Abstract (en)
[origin: WO0025148A2] In a preferred embodiment, a method of enhancing the neutron coincidence assay of low fissile mass samples, by combining assay precision improvement algorithms with novel background and matrix correction algorithms, to provide lower levels of detection with higher confidence that the reported results are not subject to biases resulting from environmental or sample matrix effects.

IPC 1-7
G01T 1/00

IPC 8 full level
G01T 3/00 (2006.01); **G01T 1/00** (2006.01); **G01T 1/167** (2006.01); **G21F 9/00** (2006.01); **G21G 1/12** (2006.01)

IPC 8 main group level
G01T (2006.01)

CPC (source: EP KR)
G01T 1/167 (2013.01 - EP); **G01T 3/00** (2013.01 - EP KR); **G21F 9/34** (2013.01 - EP)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0025148 A2 20000504; **WO 0025148 A3 20000713**; AU 2957600 A 20000515; EP 1025455 A2 20000809; EP 1025455 A4 20010418; JP 2002528727 A 20020903; KR 20010069986 A 20010725; TW 483006 B 20020411

DOCDB simple family (application)
US 9916956 W 19990727; AU 2957600 A 19990727; EP 99969586 A 19990727; JP 2000578671 A 19990727; KR 20007003290 A 20000328; TW 89108539 A 20000504