

Title (en)
DEVICE FOR MOVING THE CONTROL BAR OF A PRESSURISED WATER NUCLEAR REACTOR AND METHOD FOR MOUNTING SAID
DEVICE ON A VESSEL COVER

Title (de)
EINRICHTUNG ZUM BEWEGEN DES STEUERBALKENS EINES DRUCKWASSER-KERNREAKTORS UND VERFAHREN ZUM ANBRINGEN
DER EINRICHTUNG AN EINER BEHÄLTERABDECKUNG

Title (fr)
DISPOSITIF DE DEPLACEMENT D'UNE BARRE DE COMMANDE D'UN REACTEUR NUCLEAIRE A EAU SOUS PRESSION ET PROCEDE DE
MONTAGE DU DISPOSITIF SUR UN COUVERCLE DE CUVE

Publication
EP 1714295 A2 20061025 (FR)

Application
EP 05717548 A 20050203

Priority
• FR 2005000236 W 20050203
• FR 0401292 A 20040210

Abstract (en)
[origin: FR2859308A1] An apparatus for moving a control bar in the core of a pressurized water-cooled nuclear reactor (PWR) comprises a control rod with the bar fitted to one end, an electromechanical system to actuate the rod, and a sealed chamber fixed to the cover (10) of the reactor vessel. It has a tubular housing (13) for the mechanism and an adapter (12) made in one piece (15). At its end opposite the adapter the housing has an internal thread (13c) and a seal lip for the threaded end (14a) of a sleeve (14) round the upper end of the control rod.

IPC 8 full level
G21C 13/032 (2006.01); **F16L 13/02** (2006.01); **G21C 7/12** (2006.01)

CPC (source: EP KR US)
F16L 13/02 (2013.01 - KR); **G21C 7/12** (2013.01 - EP US); **G21C 13/00** (2013.01 - KR); **G21C 13/02** (2013.01 - KR);
G21C 13/032 (2013.01 - EP US); **Y02E 30/30** (2013.01 - EP US)

Citation (search report)
See references of WO 2005083718A2

Designated contracting state (EPC)
BE CH ES LI SI

DOCDB simple family (publication)
FR 2859308 A1 20050304; FR 2859308 B1 20060106; BR PI0506559 A 20070417; CN 1918665 A 20070221; EP 1714295 A2 20061025;
KR 20060129378 A 20061215; US 2007140406 A1 20070621; WO 2005083718 A2 20050909; WO 2005083718 A3 20051201;
ZA 200605730 B 20080227

DOCDB simple family (application)
FR 0401292 A 20040210; BR PI0506559 A 20050203; CN 200580004460 A 20050203; EP 05717548 A 20050203; FR 2005000236 W 20050203;
KR 20067016067 A 20060809; US 58894105 A 20050203; ZA 200605730 A 20060710