

Title (en)

A THERMAL SLEEVE FOR A CONTROL ROD DRIVE MECHANISM AND ASSOCIATED NUCLEAR REACTOR HEAD, NUCLEAR REACTOR AND METHOD FOR REPLACING A DAMAGED THERMAL SLEEVE

Title (de)

THERMOHÜLSE FÜR EINEN STEUERSTABANTRIEBSMECHANISMUS UND ZUGEHÖRIGER KERNREAKTORKOPF, KERNREAKTOR UND VERFAHREN ZUM ERSETZEN EINER BESCHÄDIGTEN THERMOHÜLSE

Title (fr)

MANCHON THERMIQUE POUR MÉCANISME D'ENTRAÎNEMENT DE TIGE DE COMMANDE ET TÊTE DE RÉACTEUR NUCLÉAIRE ASSOCIÉE, RÉACTEUR NUCLÉAIRE ET PROCÉDÉ DE REMPLACEMENT DE MANCHON THERMIQUE ENDOMMAGÉ

Publication

EP 4097745 A1 20221207 (EN)

Application

EP 20742837 A 20200128

Priority

IB 2020000435 W 20200128

Abstract (en)

[origin: WO2021152342A1] The invention concerns a thermal sleeve (60) for a control rod drive mechanism of a nuclear reactor pressure vessel (4). The thermal sleeve (60) comprises : - a tube (62) comprising an upper end (68) and a lower end, the tube (62) comprising also an outer surface (70) and an inner surface (72), the outer surface (70) and the inner surface (72) extending from the upper end (68) to the lower end; - a plurality of protrusions (64) disposed at the upper end (68) of the tube (62), each protrusion (64) extending radially outward the tube (62); and - a collar (66) protruding radially outward the outer surface (70) of the tube (62) and extending circumferentially all around the tube (62), away from the upper end (68).

IPC 8 full level

G21C 7/14 (2006.01)

CPC (source: EP)

G21C 13/036 (2013.01); **G21C 17/017** (2013.01); **G21C 19/207** (2013.01); **G21C 7/14** (2013.01); **Y02E 30/30** (2013.01)

Citation (search report)

See references of WO 2021152342A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2021152342 A1 20210805; EP 4097745 A1 20221207

DOCDB simple family (application)

IB 2020000435 W 20200128; EP 20742837 A 20200128