

Title (en)
PUMP FOR A NUCLEAR REACTOR

Title (de)
PUMPE FÜR EINEN KERNREAKTOR

Title (fr)
POMPE POUR UN RÉACTEUR NUCLÉAIRE

Publication
EP 3607560 A1 20200212 (FR)

Application
EP 18716206 A 20180403

Priority

- FR 1752924 A 20170404
- EP 2018058483 W 20180403

Abstract (en)
[origin: WO2018185096A1] The pump comprises: - a guide structure (15) having a tubular part (19) located around the pump shaft (9); - a thermal barrier (37) comprising a heat exchanger (45) located in a recess (47) delimited by a thermal barrier cover (41); - a heat shield (57) radially interposed between the thermal barrier (37) and the tubular part (19) of the guide structure (15). The heat shield (57) comprises an upper heat shield (73) radially interposed between the body of the thermal barrier (39) and the tubular part (19) and a lower heat shield (75) radially interposed between the thermal barrier cover (41) and the tubular part (19), the upper heat shield (73) being pressed against the body of the thermal barrier (39) and the lower heat shield (75) being pressed against the tubular part (19).

IPC 8 full level
G21C 15/243 (2006.01); **F04D 29/00** (2006.01)

CPC (source: EP)
F04D 7/06 (2013.01); **F04D 7/08** (2013.01); **F04D 29/047** (2013.01); **F04D 29/588** (2013.01); **F04D 29/5893** (2013.01); **G21C 15/243** (2013.01); **Y02E 30/30** (2013.01)

Citation (search report)
See references of WO 2018185096A1

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

DOCDB simple family (publication)
FR 3064808 A1 20181005; FR 3064808 B1 20190621; CN 110494926 A 20191122; CN 110494926 B 20230523; EP 3607560 A1 20200212; JP 2020515763 A 20200528; JP 7079263 B2 20220601; WO 2018185096 A1 20181011

DOCDB simple family (application)
FR 1752924 A 20170404; CN 201880024186 A 20180403; EP 18716206 A 20180403; EP 2018058483 W 20180403; JP 2019554644 A 20180403