

Title (en)
METHODS AND SYSTEMS FOR MIGRATING FUEL ASSEMBLIES IN A NUCLEAR FISSION REACTOR

Title (de)
VERFAHREN UND SYSTEME ZUR FÖRDERUNG VON BRENNSTOFFBÜNDELN IN EINEN KERNFISSIONSREAKTOR

Title (fr)
PROCÉDÉS ET SYSTÈMES POUR LA MIGRATION D'ASSEMBLAGES COMBUSTIBLES DANS UN RÉACTEUR À FISSION NUCLÉAIRE

Publication
EP 2497088 A4 20170315 (EN)

Application
EP 10844847 A 20101105

Priority

- US 65773510 A 20100125
- US 65772610 A 20100125
- US 65772510 A 20100125
- US 59044809 A 20091106
- US 2010002905 W 20101105

Abstract (en)
[origin: WO2011056235A1] Illustrative embodiments provide methods and systems for migrating fuel assemblies in a nuclear fission reactor, methods of operating a nuclear fission traveling wave reactor, methods of controlling a nuclear fission traveling wave reactor, systems for controlling a nuclear fission traveling wave reactor, computer software program products for controlling a nuclear fission traveling wave reactor, and nuclear fission traveling wave reactors with systems for migrating fuel assemblies.

IPC 8 full level
G21C 7/08 (2006.01); **G21C 1/02** (2006.01); **G21C 19/20** (2006.01); **G21D 3/00** (2006.01)

CPC (source: EP KR)
G21C 1/026 (2013.01 - EP); **G21C 7/06** (2013.01 - KR); **G21C 19/205** (2013.01 - EP); **G21D 3/001** (2013.01 - EP); **Y02E 30/00** (2013.01 - EP); **Y02E 30/30** (2013.01 - EP)

Citation (search report)

- [X] US 2008232535 A1 20080925 - AHLFELD CHARLES E [US], et al
- [A] DE 2839667 A1 19800313 - HITACHI LTD
- See references of WO 2011093841A2

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

DOCDB simple family (publication)
WO 2011056235 A1 20110512; BR 112012010797 A2 20160329; BR 112012010799 A2 20160329; BR 112012010800 A2 20160329; BR 112012010802 A2 20181016; CN 102696073 A 20120926; CN 102696073 B 20180518; CN 102714064 A 20121003; CN 102714064 B 20151125; CN 102714066 A 20121003; CN 102714066 B 20160817; CN 102714067 A 20121003; CN 102714067 B 20180529; EA 024235 B1 20160831; EA 201290223 A1 20121030; EP 2497087 A2 20120912; EP 2497088 A2 20120912; EP 2497088 A4 20170315; EP 2497089 A2 20120912; EP 2497091 A1 20120912; JP 2013510309 A 20130321; JP 2013510310 A 20130321; JP 2013510313 A 20130321; JP 2013510314 A 20130321; JP 2016048268 A 20160407; JP 6025565 B2 20161116; JP 6026887 B2 20161116; JP 6162403 B2 20170712; JP 6166535 B2 20170719; JP 6255426 B2 20171227; KR 101986381 B1 20190605; KR 101987479 B1 20190610; KR 102004542 B1 20190726; KR 102017897 B1 20190903; KR 20120083507 A 20120725; KR 20120087163 A 20120806; KR 20120093323 A 20120822; KR 20120093325 A 20120822; RU 2012120915 A 20131220; RU 2012120916 A 20131220; RU 2012120918 A 20131220; RU 2557257 C2 20150720; RU 2557563 C2 20150727; RU 2557563 C9 20151120; RU 2562063 C2 20150910; WO 2011093841 A2 20110804; WO 2011093841 A3 20111124; WO 2011093842 A2 20110804; WO 2011093842 A3 20111020; WO 2011093845 A2 20110804; WO 2011093845 A3 20111006

DOCDB simple family (application)
US 2010002925 W 20101105; BR 112012010797 A 20101105; BR 112012010799 A 20101105; BR 112012010800 A 20101105; BR 112012010802 A 20101105; CN 201080060896 A 20101105; CN 201080060902 A 20101105; CN 201080060903 A 20101105; CN 201080060907 A 20101105; EA 201290223 A 20101105; EP 10828672 A 20101105; EP 10844847 A 20101105; EP 10844848 A 20101105; EP 10844851 A 20101105; JP 2012537857 A 20101105; JP 2012537858 A 20101105; JP 2012537861 A 20101105; JP 2012537863 A 20101105; JP 2016003070 A 20160108; KR 20127014295 A 20101105; KR 20127014298 A 20101105; KR 20127014303 A 20101105; KR 20127014309 A 20101105; RU 2012120915 A 20101105; RU 2012120916 A 20101105; RU 2012120918 A 20101105; US 2010002905 W 20101105; US 2010002907 W 20101105; US 2010002912 W 20101105