

Title (en)

SODIUM COOLED FAST NEUTRON REACTOR (SFR) OF THE INTEGRATED TYPE

Title (de)

INTEGRIERTER SCHNELLER REAKTOR MIT NATRIUMKÜHLUNG

Title (fr)

REACTEUR NUCLÉAIRE À NEUTRONS RAPIDES REFROIDI AU SODIUM ("SODIUM FAST REACTOR") DE TYPE INTÉGRÉ

Publication

EP 2625690 A1 20130814 (FR)

Application

EP 11764178 A 20111003

Priority

- FR 1058016 A 20101004
- EP 2011067206 W 20111003

Abstract (en)

[origin: WO2012045691A1] The invention relates to an improvement to an integrated SFR reactor as per application WO 2010/057720. According to the invention, the outlet windows (18) of the intermediate exchangers (16) are each surrounded by a shell (20) in fluid communication with a toroidal pipe (12), and each of the inlets of the pumping unit (30), which causes the sodium to flow from the hot area (12) to the cold area (14) through the intermediate exchangers, is in fluid communication with the torus, such that the primary sodium from the hot area exiting the intermediate exchangers flows through the torus so as to be directed towards the cold area by said pumping unit.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2012045691A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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