

Title (en)
HEAT EXCHANGER FOR EXCHANGING HEAT BETWEEN TWO FLUIDS, USE OF THE EXCHANGER WITH LIQUID METAL AND GAS, APPLICATION TO A FAST NEUTRON NUCLEAR REACTOR COOLED WITH LIQUID METAL

Title (de)
WÄRMETAUSCHER ZUM WÄRMETAUSCH ZWISCHEN ZWEI FLUIDEN, VERWENDUNG DES WÄRMETAUSCHERS MIT FLÜSSIGMETALL UND GAS, ANWENDUNG AUF EINEM KERNREAKTOR MIT SCHNELLEN NEUTRONEN UND FLÜSSIGMETALLKÜHLUNG

Title (fr)
ÉCHANGEUR DE CHALEUR ENTRE DEUX FLUIDES, UTILISATION DE L'ÉCHANGEUR AVEC DU MÉTAL LIQUIDE ET DU GAZ, APPLICATION À UN RÉACTEUR NUCLÉAIRE À NEUTRONS RAPIDES REFROIDI AVEC DU MÉTAL LIQUIDE

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Application
EP 14789876 A 20140822

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Abstract (en)
[origin: WO2015028923A1] A heat exchanger for exchanging heat between two fluids, use of the exchanger with liquid metal and gas, and application to a fast neutron nuclear reactor cooled with liquid metal. The present invention concerns a heat exchanger (1) for exchanging heat between a first fluid (N2) and a second fluid (Na). According to the invention, the structure of the heat exchanger makes it possible to supply and recover the primary fluid, such as sodium (Na), to and from a given longitudinal end (2a) opposite the longitudinal end (2b) by which the secondary fluid, such as nitrogen (N2), is supplied and recovered. This allows a physical separation between the paths of the two fluids in the exchanger, with the possibility, in particular, of having restricted access for one of the fluids, such as sodium (Na) and non-restricted access for the other of the fluids, such as nitrogen (N2).

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Cited by
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