

Title (en)

METHOD AND APPARATUS FOR SEPARATION OF A GASEOUS MIXTURE AT SUB-AMBIENT TEMPERATURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ABSCHIEDUNG EINES GASGEMISCHES BEI TEMPERATUREN UNTER DER UMGEBUNGSTEMPERATUR

Title (fr)

PROCÉDÉ ET APPAREIL DE SÉPARATION D'UN MÉLANGE GAZEUX À TEMPÉRATURE SUBAMBIANTE

Publication

EP 3044529 A2 20160720 (FR)

Application

EP 14786968 A 20140820

Priority

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Abstract (en)

[origin: WO2015036673A2] In a process for separation of a gas mixture by separation at sub-ambient temperature, a gaseous mixture at a first pressure is cooled and then separated in a separation unit (23, 25), a liquid (47) is extracted from the separation unit and vaporised to form a gaseous product under pressure, and at least a part of the heat of vaporisation of the liquid is supplied by a heat pump (31) using the magnetocaloric effect for which the hot source exchanges heat, directly or indirectly, with the liquid that is vaporised.

IPC 8 full level

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Citation (search report)

See references of WO 2015036673A2

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