

Title (en)

METHOD AND DEVICE FOR SEPARATION AT SUB-AMBIENT TEMPERATURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TRENNUNG BEI TEMPERATUREN UNTER DER UMGEBUNGSTEMPERATUR

Title (fr)

PROCÉDÉ ET APPAREIL DE SÉPARATION À TEMPÉRATURE SUBAMBIANTE

Publication

**EP 3044522 A2 20160720 (FR)**

Application

**EP 14784274 A 20140910**

Priority

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- FR 1358667 A 20130910
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- FR 2014052241 W 20140910

Abstract (en)

[origin: US2016216013A1] In a method for separation at sub-ambient temperature, a mixture of fluid at sub-ambient temperature is sent to a system of separation columns comprising at least one separation column, a fluid enriched in a lighter component of the mixture leaves the top of one column of the system and a fluid enriched in a heavier component is withdrawn from the bottom of one column of the system, the cold source of a heat pump using the magnetocaloric effect is thermally connected to a first zone of one column of the system and the hot source of the same heat pump is thermally connected to a second zone of the same or of another column of the system.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2015036697A2

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