

Title (en)

MAIN EXCHANGE LINE AND CRYOGENIC DISTILLATION AIR SEPARATION UNIT INCORPORATING SUCH AN EXCHANGE LINE

Title (de)

HAUPTAUSTAUSCHLEITUNG UND LUFTTRENNUNGSEINHEIT FÜR KRYOGENE DESTILLATION MIT EINER SOLCHEN AUSTAUSCHLEITUNG

Title (fr)

LIGNE D'ECHANGE PRINCIPALE ET APPAREIL DE SEPARATION D'AIR PAR DISTILLATION CRYOGENIQUE INCORPORANT UNE TELLE LIGNE D'ECHANGE

Publication

EP 2191220 A2 20100602 (FR)

Application

EP 08835215 A 20080909

Priority

- FR 2008051601 W 20080909
- FR 0757531 A 20070912

Abstract (en)

[origin: WO2009044065A2] An exchange line, designed to be incorporated into an air separation unit, comprises at least two exchange assemblies, the 2 assemblies being connected in parallel, each assembly comprising at least two exchange bodies (11A, 11B, 11C, 13A, 13B, 13C), preferably at least three exchange bodies, connected together in series.

IPC 8 full level

F25J 3/00 (2006.01); **F25J 3/04** (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP US)

F25J 3/04193 (2013.01 - EP US); **F25J 3/04218** (2013.01 - EP US); **F25J 3/044** (2013.01 - EP US); **F25J 3/04872** (2013.01 - EP US); **F25J 5/002** (2013.01 - EP US); **F28D 9/0037** (2013.01 - EP US); **F25J 2200/72** (2013.01 - EP US); **F25J 2290/40** (2013.01 - EP US); **F25J 2290/42** (2013.01 - EP US); **F28D 2021/0033** (2013.01 - EP US); **F28F 2230/00** (2013.01 - EP)

Citation (search report)

See references of WO 2009044065A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2920866 A1 20090313; BR PI0816327 A2 20150414; CN 102216709 A 20111012; EP 2191220 A2 20100602; JP 2011519006 A 20110630; US 2010206004 A1 20100819; WO 2009044065 A2 20090409; WO 2009044065 A3 20111208

DOCDB simple family (application)

FR 0757531 A 20070912; BR PI0816327 A 20080909; CN 200880106412 A 20080909; EP 08835215 A 20080909; FR 2008051601 W 20080909; JP 2010524548 A 20080909; US 67733508 A 20080909