Title (en)

Process for the cryogenic separation of air

Title (de)

Verfahren zur Tieftemperaturzerlegung von Luft

Title (fr)

Procédé pour la séparation cryogénique d'air

Publication

EP 2015012 A3 20120822 (DE)

Application

EP 08012052 A 20080703

Priority

DE 102007031765 A 20070707

Abstract (en)

[origin: EP2015012A2] The method involves feeding air into a high-pressure column (11), taking a liquid product flow from a distillation column system, raising its pressure, evaporating it and extracting as a gaseous product flow, compressing and cleaning the input air. A second partial flow of the input air is compressed in second and third boosters. It involves using at least some of the mechanical energy that is created by the expansion (8) of the first partial flow (7) to drive the second booster (18).

IPC 8 full level

F25J 3/04 (2006.01)

CPC (source: EP US)

F25J 3/04054 (2013.01 - EP US); **F25J 3/04084** (2013.01 - EP US); **F25J 3/0409** (2013.01 - EP US); **F25J 3/04296** (2013.01 - EP US); **F25J 3/04303** (2013.01 - EP US); **F25J 3/04393** (2013.01 - EP US); **F25J 3/04412** (2013.01 - EP US); F25J 2215/52 (2013.01 - EP US); F25J 2215/54 (2013.01 - EP US)

Citation (search report)

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- [XA] EP 0932000 A2 19990728 - AIR PROD & CHEM [US]
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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)

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