

Title (en)

Apparatus for the cryogenic separation of a gaseous mixture in particular of air

Title (de)

Vorrichtung zur Tieftemperaturzerlegung eines Gasgemischs, insbesondere von Luft

Title (fr)

Installation pour la séparation cryogénique d'un mélange gazeux en particulier d'air

Publication

EP 1672301 B1 20180815 (DE)

Application

EP 05024947 A 20051115

Priority

- EP 04028682 A 20041203
- EP 04028683 A 20041203
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- EP 05024947 A 20051115

Abstract (en)

[origin: US2006156759A1] The apparatus is used to produce a product by low-temperature separation of a gas mixture, in particular air. It includes a direct contact cooler (3) for cooling the feed mixture, a purification apparatus (4) for purifying the cooled feed mixture and a low-temperature part (7). The low-temperature part (7) includes a main heat exchanger (8 a) for cooling the purified feed mixture to approximately dewpoint temperature and a distillation column (9 a) for low-temperature separation of the feed mixture. The direct contact cooler (3), the purification apparatus (4) and the low-temperature part (7) are arranged on one line (101).

IPC 8 full level

F25J 3/04 (2006.01)

CPC (source: EP US)

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Cited by

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US 2006156759 A1 20060720; US 7516626 B2 20090414; CA 2528735 A1 20060603; CA 2528735 C 20130806; CN 100575838 C 20091230; CN 1782644 A 20060607; EP 1666822 A1 20060607; EP 1666823 A1 20060607; EP 1672301 A1 20060621; EP 1672301 B1 20180815; PL 1672301 T3 20190131; RU 2005137481 A 20070620; RU 2382963 C2 20100227

DOCDB simple family (application)

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