

Title (en)

METHOD AND APPLIANCE FOR SEPARATING AIR BY CRYOGENIC DISTILLATION

Title (de)

VERFAHREN UND ANWENDUNG ZUR LUFTTRENNUNG DURCH KRYOGENE DESTILLATION

Title (fr)

PROCEDE ET APPAREIL DE SEPARATION D'AIR PAR DISTILLATION CRYOGENIQUE

Publication

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Application

EP 11707452 A 20110203

Priority

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Abstract (en)

[origin: WO2011095739A1] In a method for separating air in a column (11, 13) system, by cryogenic distillation, compressed, purified and cooled air is separated in the column system in order to form an oxygen-enriched flow and a nitrogen-enriched flow. At least one column (13) of the column system contains a vapouriser-condenser (15) for ensuring the vapourisation of a liquid enriched in oxygen in relation to the air by means of heat exchange with a calorogenic fluid (37), the calorogenic fluid having been compressed upstream of the vapouriser-condenser in a compressor (61) having a cryogenic inlet temperature, the calorogenic fluid being at least partially condensed in the vapouriser-condenser, and a cryogenic liquid (45) is added to the calorogenic fluid upstream of the vapouriser-condenser.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2011095739A1

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