

Title (en)

APPARATUS AND PROCESS FOR SEPARATING AIR BY CRYOGENIC DISTILLATION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR LUFTTRENNUNG DURCH KRYOGENE DESTILLATION

Title (fr)

APPAREIL ET PROCÉDÉ DE SÉPARATION D'AIR PAR DISTILLATION CRYOGÉNIQUE

Publication

EP 2591301 B1 20200902 (FR)

Application

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Priority

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Abstract (en)

[origin: WO2012004241A2] In a process for separating air by cryogenic distillation, an oxygen-rich stream having a first oxygen purity of less than 98 mol% oxygen is withdrawn from the column system (13, 15) and sent to a customer, an oxygen-rich liquid stream having a second oxygen purity, possibly lower than 98 mol% oxygen, is sent to a storage tank (31), liquid is periodically withdrawn from the storage tank and sent to a back-up reboiler, to produce a back-up product, and a liquid stream (21, 51) having a third oxygen purity, lower than the first purity, is withdrawn from the bottom of at least one column of the column system and/or from the auxiliary reboiler and sent to the storage tank as a purge stream during a stoppage in the operation of the column system.

IPC 8 full level

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