

Title (en)

APPARATUS AND PROCESS FOR THE SEPARATION OF AIR BY CRYOGENIC DISTILLATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TRENNUNG VON LUFT DURCH KRYOGENE DESTILLATION

Title (fr)

APPAREIL ET PROCÉDÉ DE SÉPARATION D'AIR PAR DISTILLATION CRYOGÉNIQUE

Publication

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Application

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air by cryogenic distillation, an oxygen-rich stream having a first oxygen purity of less than 98 mol% oxygen is withdrawn from the column system (13, 15) and sent to a customer, an oxygen-rich liquid stream having a second oxygen purity, possibly lower than 98 mol% oxygen, is sent to a storage tank (31), liquid is periodically withdrawn from the storage tank and sent to a back-up reboiler, to produce a back-up product, and a liquid stream (21, 51) having a third oxygen purity, lower than the first purity, is withdrawn from the bottom of at least one column of the column system and/or from the auxiliary reboiler and sent to the storage tank as a purge stream during a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

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Citation (search report)

See references of WO 2012004241A2

Citation (examination)

"Argon Recovery From A Low Purity Air Separation Unit", IP.COM JOURNAL, IP.COM INC., WEST HENRIETTA, NY, US, 22 September 2006 (2006-09-22), XP013115895, ISSN: 1533-0001

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