

Title (en)

Double column process and apparatus for cryogenic air separation

Title (de)

Doppelsäulenverfahren und -vorrichtung zur Tieftemperaturzerlegung von Luft

Title (fr)

Procédé et dispositif à double colonne pour la séparation cryogénique d'air

Publication

EP 0775880 A3 19980225 (DE)

Application

EP 96117880 A 19961107

Priority

DE 19543395 A 19951121

Abstract (en)

[origin: EP0775880A2] In a process for the low temperature separation of air in a rectification column system with a primary separation column (10) and a low pressure column (20), air (1,3) is fed (4,6,7,8,41) into the primary separation column (10), and a nitrogen-enriched head fraction (11) and an oxygen-enriched bottom fraction are generated. At least a part (19) of the bottom fraction is fed to the low pressure column (20), in which liquid oxygen and gaseous nitrogen are generated. The pressure in the primary separation column is substantially equal to that in the low pressure column. Also claimed is an arrangement in a rectification column system for low temperature air separation.

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CPC (source: EP US)

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- [X] GB 1271419 A 19720419 - BLIGH BERNARD RAMSEY
- [DA] DE 2854508 A1 19800619 - LINDE AG

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