

Title (en)

Process and apparatus for air separation by cryogenic distillation

Title (de)

Verfahren und Vorrichtung zur Tieftemperaturzerlegung von Luft

Title (fr)

Procédé et installation de séparation d'air par distillation cryogénique

Publication

**EP 1231440 B1 20070718 (DE)**

Application

**EP 01129565 A 20011212**

Priority

DE 10061908 A 20001212

Abstract (en)

[origin: DE10061908A1] Device for low temperature decomposition of air to recover nitrogen, oxygen and argon comprises a two-stage rectifier column comprising a high pressure column (1) and a low pressure column (3) which are thermally connected together using a condenser (2). Device for low temperature decomposition of air to recover nitrogen, oxygen and argon comprises a two-stage rectifier column comprising a high pressure column (1) and a low pressure column (3) which are thermally connected together using a condenser (2). The columns are connected to a heat exchange network, a crude argon column (10) and a liquefied air column (17) via lines including measuring, controlling, regulating and conveying devices. An Independent claim is also included for a process for the low temperature decomposition of air to recover nitrogen, oxygen and argon using a rectifier system consisting of a pressure column and a low pressure column thermally connected using a main condenser, a crude argon column, and a liquefied air column.

IPC 8 full level

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Cited by

CN114949897A; DE102008016355A1; US11959701B2; WO2024026168A1; WO2024026165A1

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