

Title (en)
Process and device for argon recovery

Title (de)
Verfahren und Vorrichtung zur Gewinnung von Argon

Title (fr)
Procédé et installation de production d'argon

Publication
EP 1162424 A3 20020109 (DE)

Application
EP 01113971 A 20010608

Priority
DE 10028871 A 20000610

Abstract (en)
[origin: EP1162424A2] The pressure in a crude argon column is lower than the pressure in a low pressure column. Recovering argon in an air decomposition plant comprises decomposing an oxygen stream rich in argon from a low pressure column (2) of a rectification column in the crude argon column (5) equipped with conventional plates, packing and/or fillers into crude argon and a first higher boiling liquid residual fraction; cooling the head of the crude argon column thermally coupled to the low pressure column by indirect heat exchange with vaporizing sump liquid relieved to the pressure of the low pressure column, and decomposing the crude argon fed from the head of the crude argon column into a pure argon column into pure argon and a second lower boiling fraction. The pressure in the crude argon column is lower than the pressure in the low pressure column. An Independent claim is also included for an apparatus for recovering argon.

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IPC 8 full level
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Citation (search report)
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• [A] US 5592833 A 19970114 - MOLL ANTON [DE]
• [A] EP 0538520 A1 19930428 - OD I NIZKOTEMPERATURNOI TEKHN [SU], et al
• [A] EP 0684437 A1 19951129 - BOC GROUP PLC [GB]
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FR3107341A1; JP2007192466A

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