

Title (en)
Process and apparatus for obtaining argon

Title (de)
Verfahren und Vorrichtung zur Gewinnung von Argon

Title (fr)
Procédé et dispositif d'obtention d'argon

Publication
EP 0628777 B1 19981104 (DE)

Application
EP 94107374 A 19940511

Priority
DE 4317916 A 19930528

Abstract (en)
[origin: DE4317916A1] For the isolation of argon, air is fractionated in a rectification system having at least one air fractionation column (3) and one crude argon column. An argon-containing oxygen fraction (4) is taken from the air fractionation column (3) and introduced into a crude argon column (5). In the upper region of the crude argon column (5), a crude argon fraction (6) is taken off and a first return liquid (7) is fed in. From the bottom region of the crude argon column (5), a first residue fraction (8) is taken off. The crude argon fraction (6) is introduced into the lower region of a semi-pure column (9). In the upper region of the semi-pure column (9), an argon fraction depleted in oxygen (10, 15) is taken off and a second return liquid (11) is fed in. From the lower region of the semi-pure column (9), a second residue fraction (12) is taken off, this fraction forming the first return liquid (7) for the crude argon column (5). <IMAGE>

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Cited by
EP0752565A3; DE19543953C1; DE19651280C1; EP0870524A1; FR2761897A1; EP3048401A1; DE102009016043A1; DE102007035619A1; DE102013018664A1; WO2014135271A2; DE102012006479A1; EP2026024A1; US6205815B1; US6272883B2; US6612129B2; EP0775881A2; EP2447653A1; EP2645031A1; DE102013003417A1; DE102012008415A1; WO2013159868A2; EP3040665A1; EP2645033A1; DE102012006484A1; WO2013143646A2; DE202013012594U1

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