

Title (en)

METHOD AND DEVICE FOR VARIABLY OBTAINING ARGON BY MEANS OF LOW-TEMPERATURE SEPARATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VARIABLEN GEWINNUNG VON ARGON DURCH TIEFTEMPERATURZERLEGUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RÉCUPÉRATION VARIABLE D'ARGON PAR FRACTIONNEMENT À BASSE TEMPÉRATURE

Publication

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Application

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Priority

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- EP 2015001886 W 20150923

Abstract (en)

[origin: WO2016058666A1] The method and device are used to variably obtain argon by means of low-temperature separation. Feed air (1, 4, 7) is cooled in a main heat exchanger (8) and then conducted into a distillation column system which has a high-pressure column (10) and a low-pressure column (11). During an argon obtaining process using a crude argon column (81, 82) and a purified argon column (3), a purified liquid argon product flow (72) is generated from an argon-enriched flow (80) from the low-pressure column (11). In a first operating mode, a first purified argon product quantity is discharged as the end product, and in a second operating mode, a reduced purified argon product quantity is discharged as the end product. In the second operating mode, a gaseous argon return flow (101, 103) is drawn from the crude argon column or the purified argon column and heated in a separate passage (108) of the main heat exchanger (8).

IPC 8 full level

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Citation (search report)

See references of WO 2016058666A1

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