

Title (en)

AIR SEPARATION PLANT, METHOD FOR OBTAINING A PRODUCT CONTAINING ARGON, AND METHOD FOR CREATING AN AIR SEPARATION PLANT

Title (de)

LUFTZERLEGUNGSANLAGE, VERFAHREN ZUR GEWINNUNG EINES ARGON ENTHALTENDEN PRODUKTS UND VERFAHREN ZUR ERSTELLUNG EINER LUFTZERLEGUNGSANLAGE

Title (fr)

INSTALLATION DE SÉPARATION D'AIR, PROCÉDÉ DE RÉCUPÉRATION D'UN PRODUIT CONTENANT DE L'ARGON ET PROCÉDÉ POUR CRÉER UNE INSTALLATION DE SÉPARATION D'AIR

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Application

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Abstract (en)

[origin: WO2014135271A2] The invention relates to an air separation plant (100), which is designed to obtain a product containing argon by the low-temperature separation of compressed and cooled feed air, wherein the air separation plant (100) comprises a high-pressure column (1), a multi-part low-pressure column having a base segment (2) and a head segment (3), and a multi-part crude argon column having a base segment (4) and a head segment (5), wherein at least one oxygen-enriched flow (d) can be obtained from at least part of the feed air in the high pressure column (1), at least one argon-enriched flow (m) can be obtained from at least part of the oxygen-enriched flow (d) in the low-pressure column, and at least one argon-rich flow (n) can be obtained from at least part of the argon-enriched flow (m) in the crude argon column, and wherein at least one liquid flow (n) can be transferred from a lower region of the head segment (3) of the low-pressure column and from a lower region of the base segment (4) of the crude argon column into an upper region of the base segment (2) of the low-pressure column. The invention further relates to corresponding methods.

IPC 8 full level

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WO2020038608A1; EP4023983A1; EP3614082A1; WO2023001400A1; WO2022258222A1; WO2023030682A2; WO2023030683A1

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