

Title (en)
PLANT AND PROCESS FOR LOW-TEMPERATURE AIR SEPARATION

Title (de)
ANLAGE UND VERFAHREN ZUR TIEFTEMPERATURZERLEGUNG VON LUFT

Title (fr)
INSTALLATION ET PROCÉDÉ DE SÉPARATION CRYOGÉNIQUE DE L'AIR

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Abstract (en)
[origin: WO2023030682A2] The invention relates to a plant (100) for low-temperature air separation, having a rectification column system (10) comprising a high-pressure column (11), a divided low-pressure column (12, 13) and a divided argon column (14, 15), and a cold box system (20) comprising a first cold box (110) and a second cold box (120). The high-pressure column (11) is located beneath the lower portion (12) of the low-pressure column (12, 13). The high-pressure column (11) together with the lower portion (12) of the low-pressure column (12, 13) is located in the first cold box (110), and the top portion (13) of the low-pressure column (12, 13) in the second cold box (120). According to the invention, the lower portion (14) of the argon column (14, 15) is located in the first cold box (110), and the top portion (15) of the argon column (14, 15) in the second cold box (120), or vice versa. The present invention likewise provides a corresponding process.

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