

Title (en)

Dual purity oxygen generator with reboiler compressor

Title (de)

Mit einem Aufkochkompressor versehener Generator für Sauerstoff von zwei Reinheitsgraden

Title (fr)

Générateur d'oxygène à deux degrés de pureté avec compresseur pour le rebouilleur

Publication

EP 0793069 A1 19970903 (EN)

Application

EP 96301423 A 19960301

Priority

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Abstract (en)

Low and high purity oxygen products are produced by cryogenic distillation of a compressed feed air stream (10) in which a low purity (less than 97%) oxygen product (38) is provided by a conventional low purity column (25) and high purity (more than 97%) oxygen product (36) is provided by rectification in a high purity column (23) of an oxygen-rich stream (35) from the distillation system (15, 25). Boilup (31) of the low purity column (25) is provided by condensation of a suitable first process stream (30) and boilup in the high purity column is provided by condensation of a suitable second process stream (21) at a higher pressure than said first process stream (30). The oxygen rich stream (35) has an oxygen concentration at least equal to that of the feed (26') to the low pressure column (25). <IMAGE>

IPC 1-7

F25J 3/04

IPC 8 full level

F25J 3/04 (2006.01)

CPC (source: EP)

F25J 3/04084 (2013.01); **F25J 3/0409** (2013.01); **F25J 3/04103** (2013.01); **F25J 3/04206** (2013.01); **F25J 3/04296** (2013.01); **F25J 3/04303** (2013.01); **F25J 3/04418** (2013.01); **F25J 3/04709** (2013.01); **F25J 2200/32** (2013.01); **F25J 2200/34** (2013.01); **F25J 2200/54** (2013.01); **F25J 2215/52** (2013.01); **F25J 2215/54** (2013.01); **F25J 2250/40** (2013.01); **F25J 2250/50** (2013.01)

Citation (search report)

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- [X] EP 0376464 A1 19900704 - BOC GROUP PLC [GB]
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