

Title (en)  
Process and device for argon recovery

Title (de)  
Verfahren und Vorrichtung zur Gewinnung von Argon

Title (fr)  
Procédé et installation de production d'argon

Publication  
**EP 1162423 A3 20020612 (DE)**

Application  
**EP 01113970 A 20010608**

Priority  
DE 10028866 A 20000610

Abstract (en)  
[origin: EP1162423A2] A separate rectification of an argon-oxygen mixture using recycled liquid from the crude argon column (10) is carried out in the low pressure column (1). Recovering argon in an air decomposition plant comprises decomposing compressed, pre-purified cooled air in a rectification system equipped with a rectification column and a crude argon column (10). An argon-oxygen mixture formed in a low pressure column (1) of the rectification system having rectifying devices and injected into the crude argon column equipped with rectification devices and a head condenser (14) is decomposed to crude argon head product and a sump liquid. A separate rectification of an argon-oxygen mixture using recycled liquid from the crude argon column (10) is carried out in the low pressure column (1). An Independent claim is also included for an apparatus for recovering argon.

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IPC 8 full level  
**F25J 3/04** (2006.01)

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Citation (search report)  
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• [Y] EP 0881445 A1 19981202 - PRAXAIR TECHNOLOGY INC [US]  
• [E] EP 1108965 A1 20010620 - AIR PROD & CHEM [US]  
• [A] US 6023945 A 20000215 - WONG KENNETH KAI [US], et al  
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