

Title (en)  
Cryogenic air separation.

Title (de)  
Kryogenische Lufttrennung.

Title (fr)  
Séparation d'air par voie cryogénique.

Publication  
**EP 0672877 A1 19950920 (EN)**

Application  
**EP 95300488 A 19950126**

Priority  
GB 9404991 A 19940315

Abstract (en)  
A cryogenic air separation unit (10) comprises a number of compression stages (12, 14, 16) at least one of which is driven by two or more expander turbines (18, 20, 22) acting in parallel or series and linked for driving one or more compression stages (12) via a common or bull gear (34). One of said compression stages (12) may be linked directly to one of the expander turbines (18) via a gear (32, 36) which acts to form the output gear of the turbine and the input gear of the compressor. <IMAGE>

IPC 1-7  
**F25J 3/04**; F01D 15/12; F04D 25/16

IPC 8 full level  
**F25J 1/00** (2006.01); **F01D 15/12** (2006.01); **F04D 25/16** (2006.01); **F25J 3/04** (2006.01); **F25J 3/06** (2006.01)

CPC (source: EP)  
**F01D 15/12** (2013.01); **F04D 25/163** (2013.01); **F25J 3/04018** (2013.01); **F25J 3/04024** (2013.01); **F25J 3/04109** (2013.01); **F25J 3/04133** (2013.01); **F25J 3/04139** (2013.01); **F25J 3/04296** (2013.01); **F25J 3/04303** (2013.01); **F25J 3/04309** (2013.01); **F25J 3/04315** (2013.01); **F25J 3/04381** (2013.01); **F25J 3/04393** (2013.01); **F25J 3/04412** (2013.01); **F25J 2200/20** (2013.01); **F25J 2230/20** (2013.01); **F25J 2240/12** (2013.01); **F25J 2250/42** (2013.01); **F25J 2290/62** (2013.01)

Citation (search report)  
• [X] US 3477239 A 19691111 - RISCHE ERNST A  
• [PX] EP 0592803 A1 19940420 - GUTEHOFFNUNGSHUETTE MAN [DE]

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