

Title (en)  
Method for retrofitting a compressor

Title (de)  
Verfahren zur Modifikation eines mehrstufigen Verdichters

Title (fr)  
Méthode pour modifier un compresseur multi-étages

Publication  
**EP 1681472 A1 20060719 (DE)**

Application  
**EP 05100201 A 20050114**

Priority  
EP 05100201 A 20050114

Abstract (en)  
The method is for the modification of a multi-stage compressor (101), whereby the rotor blades of the first rotor blade row (LA1) are exchanged for different rotor blades which have an identical blade profile (121) as the originals, and the blade angle of which differs from that (B' 10) of the original. The blades of at least one other blade row (LAN,LEN) located downstream of the second compressor stage are exchanged for different blades which have an identical blade profile (125,126) as the originals, and a blade angle different from that (B'N0, B"N0) of the originals. Independent claims are included for the following: (A) a compressor modified by the aforesaid method; and (B) a gas turbine unit including the aforesaid compressor.

IPC 8 full level  
**F04D 19/02** (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP US)  
**F04D 19/02** (2013.01 - EP US); **F04D 29/324** (2013.01 - EP US); **F05B 2230/601** (2013.01 - EP US); **Y10T 29/49238** (2015.01 - EP US)

Citation (search report)  
• [A] GB 1080026 A 19670823 - SULZER AG  
• [A] US 3428244 A 19690218 - PALMER MICHAEL

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CN104763475A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1681472 A1 20060719**; EP 1836401 A1 20070926; EP 1836401 B1 20140924; TW 200637965 A 20061101; TW I364490 B 20120521; US 2008260516 A1 20081023; US 7753649 B2 20100713; WO 2006075014 A1 20060720

DOCDB simple family (application)  
**EP 05100201 A 20050114**; EP 06707706 A 20060112; EP 2006050172 W 20060112; TW 95101510 A 20060113; US 77593607 A 20070711