

Title (en)
Multistage turbocompressor

Title (de)
Mehrstufiger Turbokompressor

Title (fr)
Turbocompresseur multietage

Publication
EP 1691081 A3 20080514 (DE)

Application
EP 06000600 A 20060112

Priority
DE 102005002702 A 20050119

Abstract (en)
[origin: EP1691081A2] The turbocompressor has a geared compressor (2) with an integrated gear including a central greater wheel (9). The gear has a set of pinions that meshes with the greater wheel, where each pinion is mounted in a manner to rotate in unison with a respective pinion shaft. A set of bladed wheels respectively of one of a set of compressor stages, and a base frame on which individual units are assembled by a common central plane.

IPC 8 full level
F04D 25/16 (2006.01)

CPC (source: EP US)
F04D 25/163 (2013.01 - EP US)

Citation (search report)
• [XY] DE 2413674 A1 19741107 - INGERSOLL RAND CO
• [YA] GB 967091 A 19640819 - BORSIG AG
• [A] GB 2321502 A 19980729 - EUROP GAS TURBINES LTD [GB]
• [A] DE 9201858 U1 19920402

Cited by
DE102012217441A1; DE102013210497A1; DE102012018468A1; DE102012022131A1; WO2014195390A1; WO2014180688A1; EP2711503A3; EP2128448A3; US9714658B2; DE102013208564A1; US10100837B2; DE102015222907A1; US10465769B2; EP2711503A2; US9752672B2; DE102012018468B4; EP2128448A2; DE102008031116A1; DE202015006125U1; DE102015225923A1; DE102008031116B4; EP2740941A1; EP2902737A2

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1691081 A2 20060816; EP 1691081 A3 20080514; EP 1691081 B1 20100303; EP 1691081 B2 20141119; AT E459806 T1 20100315; CN 100516543 C 20090722; CN 1811194 A 20060802; DE 102005002702 A1 20060727; DE 502006006297 D1 20100415; JP 2006200531 A 20060803; JP 5055538 B2 20121024; US 2006156728 A1 20060720; US 7559200 B2 20090714

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