

Title (en)  
MULTI-STAGE TURBO COMPRESSOR

Title (de)  
MEHRSTUFIGER TURBOVERDICHTER

Title (fr)  
TURBOCOMPRESSEUR À PLUSIEURS ÉTAGES

Publication  
**EP 2024646 A1 20090218 (DE)**

Application  
**EP 07729332 A 20070521**

Priority  
• EP 2007054888 W 20070521  
• EP 06010926 A 20060526  
• EP 07729332 A 20070521

Abstract (en)  
[origin: EP1860326A1] The turbocompressor has a compressor unit (14) inside an inner cylindrical casing (16). This is mounted in an outer casing (12). Two annular seals (32) are fitted between the casings which are spaced from each other. An oil feed pipe (36) is positioned between the seals.

IPC 8 full level  
**F04D 29/62** (2006.01); **F04D 17/12** (2006.01)

CPC (source: EP US)  
**F04D 17/122** (2013.01 - EP US); **F04D 29/624** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007137959A1

Cited by  
DE102014216349A1; DE102014207461A1; WO2015158905A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1860326 A1 20071128**; AT E443212 T1 20091015; CN 101454578 A 20090610; CN 101454578 B 20120314; DE 502007001552 D1 20091029; EP 2024646 A1 20090218; EP 2024646 B1 20090916; ES 2331980 T3 20100121; US 2009175717 A1 20090709; US 8133021 B2 20120313; WO 2007137959 A1 20071206

DOCDB simple family (application)  
**EP 06010926 A 20060526**; AT 07729332 T 20070521; CN 200780019211 A 20070521; DE 502007001552 T 20070521; EP 07729332 A 20070521; EP 2007054888 W 20070521; ES 07729332 T 20070521; US 22772207 A 20070521