

Title (en)  
TURBOCOMPRESSOR

Title (de)  
TURBOVERDICHTER

Title (fr)  
TURBOCOMPRESSEUR

Publication  
**EP 2864641 B1 20190807 (DE)**

Application  
**EP 13734691 A 20130625**

Priority  
• DE 102012012540 A 20120626  
• EP 2013063200 W 20130625

Abstract (en)  
[origin: WO2014001286A1] The invention relates to a turbocompressor (2) comprising a first compressor stage (4) which has a first compressor wheel (8), and a second compressor stage (6) which has a second compressor wheel (10), wherein the first compressor wheel (8) and the second compressor wheel (10) are arranged on a common shaft (12), wherein the shaft (12) is supported without contact. In order to reduce the complexity of the turbocompressor (2), a contact-free bearing (14) of the shaft (12) is arranged between the first compressor wheel (8) and the second compressor wheel (10).

IPC 8 full level  
**F04D 17/12** (2006.01); **F04D 29/058** (2006.01)

CPC (source: CN EP US)  
**F04D 17/12** (2013.01 - CN EP US); **F04D 19/048** (2013.01 - US); **F04D 29/051** (2013.01 - US); **F04D 29/058** (2013.01 - CN EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102012012540 A1 20140102**; CN 104379939 A 20150225; EP 2864641 A1 20150429; EP 2864641 B1 20190807;  
US 2015219106 A1 20150806; WO 2014001286 A1 20140103

DOCDB simple family (application)  
**DE 102012012540 A 20120626**; CN 201380033114 A 20130625; EP 13734691 A 20130625; EP 2013063200 W 20130625;  
US 201314410510 A 20130625