

Title (en)
Turbocharger

Title (de)
Turbolader

Title (fr)
Turbocompresseur

Publication
EP 1777417 A1 20070425 (DE)

Application
EP 05023173 A 20051024

Priority
EP 05023173 A 20051024

Abstract (en)
The turbocharger, with a sealing unit (2) for sealing the bearing housing oil chamber (13) in relation to the compressor chamber (14), has a sealing ring (1) included in the sealing unit which is located with an axial clearance on the rotor shaft (12) between a disc (9) and sealing bush (16) which are fastened on the rotor shaft. Oppositely orientated air feed devices are arranged in or on the end faces (17,17') of the sealing ring. The disc and the sealing bush define a slot in which the sealing ring is located. An independent claim is included for a sealing unit for a turbocharger including a sealing ring.

IPC 8 full level
F04D 29/10 (2006.01)

CPC (source: EP US)
F04D 29/057 (2013.01 - EP US)

Citation (applicant)
US 4420160 A 19831213 - LAHAM HERMAN C [US]

Citation (search report)
• [A] GB 1210388 A 19701028 - HOOVER LTD
• [A] US 4986733 A 19910122 - FLEURY JEAN-LUC P [US], et al
• [A] US 4502693 A 19850305 - LESIECKI GERALD [US], et al
• [A] FR 2503478 A2 19821008 - ETRI SA [FR]

Cited by
CN105240308A; CN106661942A

Designated contracting state (EPC)
DE FR GB IT NL

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1777417 A1 20070425; EP 1777417 B1 20080611; DE 502005004418 D1 20080724; JP 2009512815 A 20090326; JP 5106406 B2 20121226; US 2008317596 A1 20081225; US 8096774 B2 20120117; WO 2007048451 A1 20070503

DOCDB simple family (application)
EP 05023173 A 20051024; DE 502005004418 T 20051024; EP 2006004908 W 20060523; JP 2008536947 A 20060523; US 9112306 A 20060523