

Title (en)
SCREW COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER

Title (fr)
COMPRESSEUR À VIS

Publication
EP 2343457 A1 20110713 (EN)

Application
EP 09816009 A 20090818

Priority
• JP 2009064444 W 20090818
• JP 2008247063 A 20080926

Abstract (en)
A screw compressor has a compression chamber formed by a pair of screw rotors which is provided with a male rotor (2) and a female rotor (2A) and by a casing which contains the pair of screw rotors. The casing has a discharge port (10) out of which a compressed gas flows, and also has a discharge chamber (12) into which the compressed gas discharged from the discharge port flows: Bypass paths for interconnecting the compression chamber and the discharge chamber are respectively provided to both a male rotor side portion and a female rotor side portion which are located near the discharge port formed in the casing. The compressor also has a valve (110) for opening and closing the bypass paths.

IPC 8 full level
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CPC (source: EP)
F04C 18/16 (2013.01); **F04C 28/26** (2013.01); **F04C 28/28** (2013.01)

Citation (search report)
See references of WO 2010035592A1

Cited by
US2018017060A1; EP3555445A4; WO2018017607A1; US9169840B2; US10677246B2

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Designated extension state (EPC)
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