

Title (en)
OPEN TYPE COMPRESSOR

Title (de)
OFFENER VERDICHTER

Title (fr)
COMPRESSEUR DE TYPE OUVERT

Publication
EP 3315781 B1 20200219 (EN)

Application
EP 17198489 A 20171026

Priority
JP 2016213215 A 20161031

Abstract (en)
[origin: EP3315781A1] The present invention prevents a refrigerant including a lubricant from flowing without being introduced to an oil supply path. An open type compressor includes a compression mechanism, a drive shaft, a bearing which supports the drive shaft, a side wall in which a through-hole through which the drive shaft protrudes is formed, and a housing which includes a bearing holding portion (33) which protrudes in a tubular shape from the side wall to hold the bearing, a suction port (21) through which a refrigerant is introduced to an inside of the housing, and an oil supply path (81M) through which the lubricant is introduced from an outside of the bearing holding portion (33) in a radial direction to one side of the bearing in the axial direction. The bearing holding portion (33) includes a first surface (41) being provided at a position at which a refrigerant (G) introduced from the suction port (21) hits, a connection surface (43) which is connected to the first surface (41) and is oblique to the first surface (41) so as to extend away from the suction port (21) as going away from the first surface (41), a second surface (42) which is connected to the connection surface (43) and is oblique to the connection surface (43) so as to extend close to the suction port (21) as going away from the connection surface (43), and an opening portion (81a) of the oil supply path which is formed on the connection surface (43).

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