

Title (en)
Compressor cooling system

Title (de)
Verdichterkühlsystem

Title (fr)
Système de refroidissement de compresseur

Publication
EP 1818629 A2 20070815 (EN)

Application
EP 07250507 A 20070208

Priority
US 35341306 A 20060214

Abstract (en)
A compressor system that includes a compressor (16), a refrigeration system (44), a drive member (18) and a cooling passage (46). The compressor (16) is operable to produce a flow of compressed fluid. The refrigeration system includes an evaporator (38), and a flow of refrigerant passes through the evaporator (38) and is operable to cool the flow of compressed fluid. The drive member (18) is coupled to the compressor (16) and is operable to drive the compressor (16). The cooling passage (46) extends from a point downstream of the evaporator (38) to a point upstream of the compressor (32). At least a portion of the cooling passage (46) is in thermal exchange relationship with the drive member (18).

IPC 8 full level
F25B 31/00 (2006.01); **F25B 5/00** (2006.01); **F25B 49/02** (2006.01)

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F04B 39/06 (2013.01 - EP US); **F04C 29/0007** (2013.01 - EP US); **F25B 31/006** (2013.01 - EP US); **F04C 18/16** (2013.01 - EP US); **F25B 5/00** (2013.01 - EP US); **F25B 49/025** (2013.01 - EP US); **F25B 2400/075** (2013.01 - EP US)

Cited by
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DOCDB simple family (publication)
EP 1818629 A2 20070815; **EP 1818629 A3 20090422**; **EP 1818629 B1 20161221**; CN 101025310 A 20070829; CN 101025310 B 20101020; US 2007186581 A1 20070816

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