

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 3156650 A4 20180117 (EN)

Application
EP 14872970 A 20141217

Priority
• JP 2013263147 A 20131220
• JP 2014083336 W 20141217

Abstract (en)
[origin: EP3156650A1] To reduce a size of an oil separator by improving oil separation performance of the oil separator of a compressor in the compressor having a centrifugal separation type oil separator. To further improve the oil separation performance by forming a processing drill so as not to interfere with a separation pipe at the time of drilling a refrigerant introduction path and by connecting the refrigerant introduction path to an inner peripheral surface of a separation chamber smoothly even when the oil separator is reduced in size. To further secure a clearance at a portion where an opening of the refrigerant introduction path faces. In a compressor having an oil separator 14 including a separation chamber 22, a separation pipe 23 housed in the separation chamber 22 and a refrigerant introduction path 21 allowing a discharge chamber 11 to communicate with the separation chamber 22, an axial center 0 of the separation chamber 22 and an axial center 0' of the separation pipe are shifted from each other.

IPC 8 full level
F04B 39/04 (2006.01); **F04C 18/344** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP)
F04B 39/04 (2013.01); **F04C 18/3441** (2013.01); **F04C 29/026** (2013.01); **F04C 29/128** (2013.01)

Citation (search report)
• [X] US 2009285708 A1 20091119 - YOKOI KENJI [JP], et al
• [X] JP 4149947 B2 20080917
• [A] US 2001029727 A1 20011018 - IWANAMI SHIGEKI [JP], et al
• See references of WO 2015093504A1

Cited by
WO2018197458A1

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)
EP 3156650 A1 20170419; EP 3156650 A4 20180117; CN 105814312 A 20160727; JP 2015117671 A 20150625; JP 6238726 B2 20171129; WO 2015093504 A1 20150625

DOCDB simple family (application)
EP 14872970 A 20141217; CN 201480067804 A 20141217; JP 2013263147 A 20131220; JP 2014083336 W 20141217