

Title (en)
CENTRIFUGAL COMPRESSOR

Title (de)
ZENTRIFUGALVERDICHTER

Title (fr)
COMPRESSEUR CENTRIFUGE

Publication
EP 3513078 A1 20190724 (EN)

Application
EP 17772817 A 20170914

Priority
• US 201615266403 A 20160915
• US 2017051455 W 20170914

Abstract (en)
[origin: US2018073779A1] A centrifugal compressor includes a casing, a first compression mechanism and a second compression mechanism. The casing has a first inlet portion, a first outlet portion, a second inlet portion and a second outlet portion. The first compression mechanism includes a first inlet guide vane disposed in the first inlet portion, a first impeller disposed downstream of the first inlet guide vane, a first diffuser disposed in the first outlet portion downstream from the first impeller, and a first motor. The second compression mechanism includes a second inlet guide vane disposed in the second inlet portion, a second impeller disposed downstream of the second inlet guide vane, a second diffuser disposed in the second outlet portion downstream from the second impeller, and a second motor. The first and second motors are arranged to rotate first and second shafts in order to rotate the first and second impellers.

IPC 8 full level
F04D 25/16 (2006.01); **F04D 29/058** (2006.01)

CPC (source: EP US)
F04D 17/12 (2013.01 - US); **F04D 23/003** (2013.01 - US); **F04D 25/06** (2013.01 - US); **F04D 25/16** (2013.01 - EP US);
F04D 27/004 (2013.01 - US); **F04D 29/051** (2013.01 - US); **F04D 29/058** (2013.01 - EP US); **F04D 29/286** (2013.01 - US);
F04D 29/444 (2013.01 - US); **F25B 1/053** (2013.01 - US)

Citation (search report)
See references of WO 2018053067A1

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Designated extension state (EPC)
BA ME

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