

Title (en)

Variable diffuser actuation linkage for a cabin air compressor

Title (de)

Betätigungsgestänge einer Diffusorvorrichtung für einen Kabinenluftverdichter

Title (fr)

Lien d'actionnement de diffuseur variable pour compresseur d'air de cabine

Publication

EP 2412984 A3 20150304 (EN)

Application

EP 11174370 A 20110718

Priority

US 84381610 A 20100726

Abstract (en)

[origin: EP2412984A2] A variable diffuser (26) for a rotating machine (20) includes a multiple of diffuser vanes (34) mounted to a drive ring (36). The multiple of diffuser vanes (34) are movable in unison between a maximum flow position and a minimum flow position in response to rotation of a crank (44) to rotate the drive ring (36) about a centerline through a link arm (46).

IPC 8 full level

F04D 29/46 (2006.01)

CPC (source: EP US)

F04D 29/444 (2013.01 - EP US); **F04D 29/462** (2013.01 - EP US); **F05D 2220/50** (2013.01 - US); **F05D 2260/56** (2013.01 - EP US)

Citation (search report)

- [X] US 4780049 A 19881025 - PALMER LYNN D [US], et al
- [I] EP 2159427 A2 20100303 - HAMILTON SUNDSTRAND CORP [US]
- [X] EP 2067957 A2 20090610 - HONEYWELL INT INC [US]
- [X] DE 102007022356 A1 20081113 - MAHLE INT GMBH [DE]

Cited by

FR3009347A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2412984 A2 20120201; **EP 2412984 A3 20150304**; **EP 2412984 B1 20200415**; JP 2012026443 A 20120209; JP 5449267 B2 20140319; US 2012020776 A1 20120126

DOCDB simple family (application)

EP 11174370 A 20110718; JP 2011158522 A 20110720; US 84381610 A 20100726