

Title (en)

VISCOUS FAN DRIVE SYSTEMS WITH FAN DRIVE SLIP FEEDBACK

Title (de)

VISKOSE LÜFTERANTRIEBSSYSTEME MIT GEBLÄSEANTRIEBSSCHLUPFRÜCKKOPPLUNG

Title (fr)

SYSTÈMES D'ENTRAÎNEMENT VISQUEUX DE VENTILATEUR AVEC RETOUR DE GLISSEMENT D'ENTRAÎNEMENT DU VENTILATEUR

Publication

EP 2867487 A4 20160427 (EN)

Application

EP 13808720 A 20130624

Priority

- US 201261665291 P 20120627
- US 2013047230 W 20130624

Abstract (en)

[origin: WO2014004335A1] A viscous fan drive which includes a moveable component in the scavenge or fill passageway that moves relative to pressure that is proportional to slip speed. The force which moves the component into and out of the passageway is directly proportional to the slip speed of the fan drive. This balances the fill and scavenge flow.

IPC 8 full level

F01P 5/02 (2006.01); **F01P 5/04** (2006.01); **F16D 35/00** (2006.01); **F16D 35/02** (2006.01)

CPC (source: CN EP US)

F01P 5/04 (2013.01 - CN); **F01P 5/12** (2013.01 - CN); **F01P 7/042** (2013.01 - CN); **F04D 19/002** (2013.01 - CN EP US); **F04D 25/022** (2013.01 - CN EP US); **F04D 25/04** (2013.01 - US); **F04D 27/001** (2013.01 - CN EP US); **F16D 35/024** (2013.01 - EP US); **F16D 35/029** (2013.01 - US); **F01P 7/042** (2013.01 - EP US); **F16D 35/028** (2013.01 - US)

Citation (search report)

- [XAY] US 4570771 A 19860218 - YAMAGUCHI HIORJI [JP], et al
- [YA] US 2008023289 A1 20080131 - BOYER RICK L [US]
- [A] US 5404977 A 19950411 - MARTIN HANS [DE], et al
- See references of WO 2014004335A1

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)

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DOCDB simple family (application)

US 2013047230 W 20130624; CN 201380040022 A 20130624; EP 13808720 A 20130624; IN 293DEN2015 A 20150113; US 201314411417 A 20130624