

Title (en)

ONE-WAY LINK COUPLING WITH VIBRATION DAMPING

Title (de)

EINWEGKLINKENKUPPLUNG MIT SCHWINGUNGSDÄMPFUNG

Title (fr)

EMBRAYAGE À CLIQUETS UNIDIRECTIONNEL POURVU D'UN DISPOSITIF D'AMORTISSEMENT

Publication

**EP 2002150 A1 20081217 (DE)**

Application

**EP 07711209 A 20070223**

Priority

- DE 2007000356 W 20070223
- US 78568406 P 20060324

Abstract (en)

[origin: US2007220876A1] The present invention broadly comprises a stator and one-way clutch assembly including a segment of a stator, a one-way clutch engaged with the segment, and at least one elastically deformable element engaged with the segment and the clutch and arranged to dampen transfer of torque from the stator to the clutch. In some aspects, the clutch includes a first plate and the deformable element is engaged with the segment and the plate. The segment urges the deformable element against the first plate. The first plate is arranged to rotate in response to the urging. The segment and the first plate are arranged to rotationally lock. The first plate and a second plate, connected to a clutch hub, rotationally lock in response to the urging, and the segment and the first plate are arranged to rotationally lock following the locking of the first and second plates.

IPC 8 full level

**F16H 41/24** (2006.01); **F16D 47/02** (2006.01)

CPC (source: EP KR US)

**F16D 3/66** (2013.01 - EP US); **F16D 41/125** (2013.01 - EP US); **F16D 47/02** (2013.01 - EP KR US); **F16H 41/24** (2013.01 - EP KR US); **F16H 2041/246** (2013.01 - EP US)

Citation (search report)

See references of WO 2007110021A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2007220876 A1 20070927**; **US 7896144 B2 20110301**; CN 101427055 A 20090506; CN 101449084 A 20090603; DE 112007000498 A5 20081127; EP 2002150 A1 20081217; JP 2009531607 A 20090903; KR 20080104022 A 20081128; WO 2007110021 A1 20071004

DOCDB simple family (application)

**US 72688007 A 20070323**; CN 200780010474 A 20070301; CN 200780010475 A 20070223; DE 112007000498 T 20070223; DE 2007000356 W 20070223; EP 07711209 A 20070223; JP 2009501833 A 20070223; KR 20087023147 A 20080923