

Title (en)

MAGNETIC CLUTCH ARRANGEMENT AND APPARATUS COMPRISING A MAGNETIC CLUTCH ARRANGEMENT

Title (de)

MAGNET-KUPPLUNGSANORDNUNG UND VORRICHTUNG MIT MAGNET-KUPPLUNGSANORDNUNG

Title (fr)

SYSTÈME DE COUPLEUR MAGNÉTIQUE ET DISPOSITIF AVEC SYSTÈME DE COUPLEUR MAGNÉTIQUE

Publication

EP 3394966 A1 20181031 (DE)

Application

EP 16801266 A 20161125

Priority

- DE 102015122404 A 20151221
- EP 2016078869 W 20161125

Abstract (en)

[origin: CA3007136A1] Magnetic clutch arrangement for connecting an output shaft (1) of a drive (10) to a drive shaft (2) of a working machine (20), - having a hub (11, 21), - the hub (11, 21) has a hollow space (12, 22); - a first set of magnets (13, 23) is arranged in the hollow space (12, 22); - having a cardan shaft head (14, 24) which is arranged in the hollow space (12, 22) in the hub (11, 21); - a second set of magnets (15, 25) is arranged on the circumference of the cardan shaft head (14, 24); - the cardan shaft head (14, 24) and the hub (11, 21) are coupled either to the drive shaft (2) or output shaft (1) so as to transmit torque; the cardan shaft head (14, 24) is tilted through an angle α in the hollow space (12, 22) of the hub (11, 21), so that an asymmetrical gap (50) is formed between the hub (11, 21) and the cardan shaft head (14, 24).

IPC 8 full level

H02K 49/10 (2006.01)

CPC (source: EP RU US)

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Citation (search report)

See references of WO 2017108334A1

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Designated extension state (EPC)

BA ME

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