

Title (en)

ELECTRIC MOTOR FOR DRIVING WORKING MACHINES HAVING MEDIA SEPARATION

Title (de)

ELEKTROMOTOR ZUM ANTRIEB VON ARBEITSMASCHINEN MIT MEDIENTRENNUNG

Title (fr)

MOTEUR ÉLECTRIQUE POUR ENTRAÎNER DES ENGINS DE TRAVAIL À SÉPARATION DES MILIEUX

Publication

EP 3871317 A1 20210901 (DE)

Application

EP 19820733 A 20191210

Priority

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- EP 2019084501 W 20191210

Abstract (en)

[origin: WO2020156714A1] The invention relates to an electric motor comprising a motor casing (2) that includes a shaft portion for accommodating a motor shaft (4), and a motor portion in which motor electronics (5) and motor windings (6) are arranged, the shaft portion and the motor portion being separated from each other in a sealed manner by a can (7) that is arranged in the motor casing (2). An inner rotor and, axially adjacent thereto, a metal ball bearing pot (8) are arranged in the shaft portion of the can (7), and a ball bearing (9) for mounting the motor shaft (4) is secured in the ball bearing pot (8).

IPC 8 full level

H02K 1/27 (2006.01); **H02K 1/30** (2006.01); **H02K 5/128** (2006.01); **H02K 5/173** (2006.01); **H02K 9/22** (2006.01)

CPC (source: EP KR US)

H02K 1/2733 (2013.01 - EP KR); **H02K 1/30** (2013.01 - EP KR US); **H02K 5/128** (2013.01 - EP KR US); **H02K 5/1732** (2013.01 - EP KR US); **H02K 5/18** (2013.01 - KR US); **H02K 9/223** (2021.01 - EP KR US); **H02K 9/227** (2021.01 - EP KR US); **H02K 11/33** (2016.01 - KR US); **H02K 21/16** (2013.01 - KR US); **H02K 2211/03** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2020156714A1

Designated contracting state (EPC)

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BA ME

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DE 102019102368 A 20190130; CN 201980085921 A 20191210; EP 19820733 A 20191210; EP 2019084501 W 20191210; KR 20217020327 A 20191210; US 201917419953 A 20191210