

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 December 2023 (07.12.2023)



(10) International Publication Number
WO 2023/234784 A1

(51) International Patent Classification:

H02K 1/30 (2006.01) *H02K 21/14* (2006.01)
H02K 7/18 (2006.01) *F16D 9/06* (2006.01)
H02K 15/03 (2006.01) *B63H 23/24* (2006.01)
H02K 16/00 (2006.01)

(21) International Application Number:

PCT/NO2023/050127

(22) International Filing Date:

31 May 2023 (31.05.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20220630 01 June 2022 (01.06.2022) NO

(71) Applicant: **KONGSBERG MARITIME AS** [NO/NO];
Kirkegårdsveien 45, 3616 Kongsberg (NO).

(72) Inventors: **ERSDAL, Kjell Andreas**; Våkleiven 48, 5155
Bones (NO). **GJERPE, Paul Fredrik**; Setra vei 3, 0786
Oslo (NO).

(74) Agent: **BRYN AARFLOT AS**; Stortingsgata 8, 0161 OS-
LO (NO).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

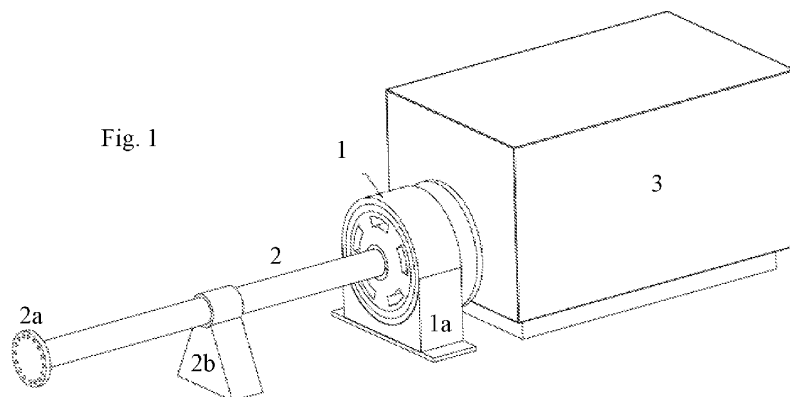
(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST,
SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,
RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ,
DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,
SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: SPLIT ELECTRIC MACHINE

Fig. 1



(57) Abstract: The present invention relates to an electric device for mounting on a rotatable shaft comprising at least two rotor sections being configured to be combined coaxially around the shaft and being mechanically coupled to the shaft so as to constitute a rotor and at least two stator sections with housing, thus being configured to be combined in a coaxial stator configuration around said rotor. The device includes a coupling being fastened in a coaxial configuration to the shaft, the coupling including a flange section extending outward from the shaft, the flange and rotor including matching locking sections so as to connect the rotor to the flange and therefore to the shaft. Fig. 1

WO 2023/234784 A1