



(51) International Patent Classification:

F16D 25/12 (2006.01) *F16D 65/853* (2006.01)
F16D 65/14 (2006.01) *F16D 65/78* (2006.01)

(21) International Application Number:

PCT/IB2010/000916

(22) International Filing Date:

23 April 2010 (23.04.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/429,219 24 April 2009 (24.04.2009) US

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(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, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

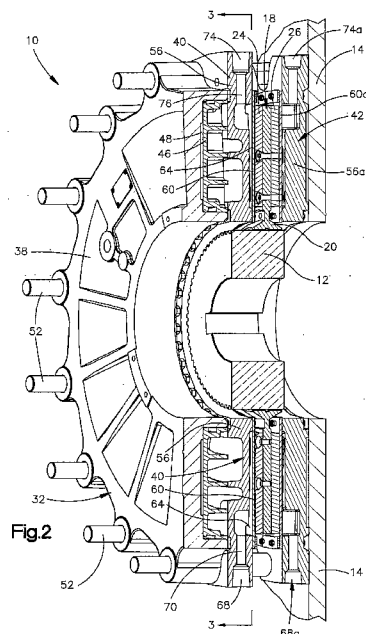
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS,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

Published:

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

[Continued on next page]

(54) Title: FLUID COOLED COUPLING ASSEMBLY



(57) Abstract: A coupling assembly for use in transmitting force includes a housing which at least partially encloses a rotatable disc. The housing has a plate portion with an annular force transmitting surface which is engagable with the rotatable disc. A cooling fluid channel is at least partially defined by a side of the plate portion opposite from the force transmitting surface. A plurality of indentations disposed in an inner surface 60b of the force transmitting surface of the plate portion create turbulent and secondary flow-in a path of flow of cooling fluid through the cooling fluid channel. A cooling fluid inlet includes a passage having a portion with a large - cross section connected in fluid communication with a radially outer portion of the cooling fluid channel. A portion of the inlet passage having a small cross section is connected in fluid communication with a radially inner portion of the cooling fluid channel. Optional ribs extend across the radially inner and outer portions of the cooling fluid channel.



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