

Title (en)
MOTOR

Title (de)
ELECTROMOTOR

Title (fr)
MOTEUR ÉLECTRIQUE

Publication
EP 2158385 A1 20100303 (DE)

Application
EP 07819479 A 20071025

Priority

- EP 2007009445 W 20071025
- EP 07090100 A 20070524
- EP 07075496 A 20070620
- EP 07075661 A 20070801
- EP 07819479 A 20071025

Abstract (en)
[origin: EP1995426A1] The electric motor has a stator (4b), a rotor (4a) with a rotor magnet (4c) and a medium through-opening (4e) between the stator and the rotor. The smallest inside diameter of the stator is as large as the largest outside diameter of the rotor magnet. The electric motor is a permanent magnet synchronous motor. The rotor magnet comprises of rare-earth material, particularly of neodymium iron boron and samarium cobalt.

IPC 8 full level
F02B 39/10 (2006.01); **F03B 17/06** (2006.01); **H02K 5/12** (2006.01); **H02K 5/128** (2006.01); **H02K 7/14** (2006.01); **H02K 7/18** (2006.01)

CPC (source: EP US)
F01D 5/025 (2013.01 - EP US); **F01D 25/16** (2013.01 - EP US); **F02B 37/025** (2013.01 - EP US); **F02B 37/10** (2013.01 - EP US); **F02B 39/10** (2013.01 - EP US); **F03B 17/061** (2013.01 - EP US); **F04D 13/0646** (2013.01 - EP US); **F04D 25/024** (2013.01 - EP US); **F04D 25/0606** (2013.01 - EP US); **H02K 5/128** (2013.01 - EP US); **H02K 7/14** (2013.01 - EP US); **H02K 7/1823** (2013.01 - EP US); **F01N 13/107** (2013.01 - EP US); **F05B 2220/40** (2013.01 - EP US); **F05B 2220/706** (2013.01 - EP US); **F05B 2220/70642** (2013.01 - EP US); **F05B 2220/7068** (2013.01 - EP US); **F05B 2270/304** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2220/76** (2013.01 - EP US); **F05D 2220/7642** (2013.01 - EP US); **F05D 2220/768** (2013.01 - EP US); **F05D 2270/304** (2013.01 - EP US); **H02K 9/06** (2013.01 - EP US); **Y02E 10/20** (2013.01 - US); **Y02E 10/30** (2013.01 - EP); **Y02E 20/14** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2008141669A1

Citation (examination)

- EP 1995429 A1 20081126 - LINDENMAIER AG [DE], et al
- EP 1995426 A1 20081126 - SYCOTEC GMBH & CO KG [DE], et al
- EP 1995427 A1 20081126 - LINDENMAIER AG [DE], et al

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