

Title (en)
DIRECT DRIVE FOR LARGE-SCALE DRIVES

Title (de)
DIREKTANTRIEB FÜR GROSSANTRIEBE

Title (fr)
ENTRAINEMENT DIRECT POUR ENTRAINEMENTS DE GROS VOLUME

Publication
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Application
EP 06777406 A 20060621

Priority
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Abstract (en)
[origin: CA2613394A1] The invention relates to a direct drive for large-scale drives, comprising a stator (1) which is configured, when seen from the peripheral direction, by a plurality of segments (3, 4, 5, 6), each having a self-contained winding arrangement, and a rotor which is configured from segments. The segments of the rotor are located on working elements that rotate with the rotor, and interact electromagnetically with a winding system of the stator (1). The inventive drive is especially suitable for ring motors and tube mill drives.

IPC 8 full level
H02K 1/14 (2006.01)

CPC (source: EP US)
H02K 1/148 (2013.01 - EP US)

Citation (search report)
See references of WO 2007000403A1

Citation (examination)
• EP 1422806 A2 20040526 - FANUC LTD [JP]
• JP 2000050540 A 20000218 - DENSO CORP

Citation (third parties)
Third party :
• WO 03073591 A1 20030904 - ABB RESEARCH LTD [CH], et al
• WO 2006032969 A2 20060330 - HIGH TECHNOLOGY INVEST BV [NL], et al
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• JP S5759462 A 19820409 - MEIDENSHA ELECTRIC MFG CO LTD
• GB 2278738 A 19941207 - SECRETARY TRADE IND BRIT [GB]
• "Siemens installs two test wind turbines with direct drive technology", 8 July 2008 (2008-07-08), XP003027956
• "REW Exclusive: Siemens New 3.6 MW Direct-drive "Concept" Wind Turbine", 4 July 2008 (2008-07-04), XP003027957
• SPOONER E. ET AL: "Modular, permanent-magnet wind-turbine generators", IEEE, June 1996 (1996-06-01), pages 497 - 502, XP010201165

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