

Title (en)
MAGNET ROLLER

Title (de)
MAGNETWALZE

Title (fr)
GALET MAGN TIQUE

Publication
EP 1253604 A4 20071212 (EN)

Application
EP 00956861 A 20000901

Priority
• JP 0005939 W 20000901
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Abstract (en)
[origin: EP1253604A1] To provide a magnet roller having a high magnetic force at low cost even if magnetized in a relatively weak magnetic field, having a magnetic force (800 G or higher) sufficient for development even if a plurality of magnetic poles are provided in a main magnetic pole part, and having good resistance to oxidation. The magnet roller (1) of the present invention includes a body part (3) and a shaft part (2) supporting both ends of (3). A plurality of magnetic poles are provided in a magnetized manner in an outer peripheral face of (3), made up of a rare-earth bond magnet made of rare-earth magnetic powder having a composite phase of a hard magnetic phase and a soft magnetic phase both magnetically exchange-interacting with each other and having a coercive force (iHc) of 5 KOe or lower and a residual magnetic flux density (Br) of 5 KG or higher.
<IMAGE>

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IPC 8 full level
G03G 15/09 (2006.01); **H01F 7/02** (2006.01)

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Citation (search report)
• [A] EP 0921532 A1 19990609 - ALPS ELECTRIC CO LTD [JP], et al
• See references of WO 0152278A1

Designated contracting state (EPC)
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