

Title (en)
INDUCTION HEATING ROLLER

Title (de)
INDUKTIONSERWÄRMUNGSROLLE

Title (fr)
ROULEAU DE CHAUFFAGE PAR INDUCTION

Publication
EP 3288339 B1 20210728 (EN)

Application
EP 17185897 A 20170811

Priority
JP 2016164893 A 20160825

Abstract (en)
[origin: EP3288339A1] Both uniformization of temperature distribution on the roller surface in the axial direction and effective heating of the roller surface are achieved. In an induction heating roller 30 including: a coil 32; a roller main body 31 having an outer cylindrical part 33 which is cylindrical in shape and is provided on an outer side in a radiation direction of the coil 32; and a heat leveling member 36 provided on the outer side in the radial direction of the coil 32 and on an inner side in the radial direction of the outer cylindrical part 33 and being in contact with an inner circumferential surface of the outer cylindrical part 33, heat conductivity of the heat leveling member 36 is higher than heat conductivity of the outer cylindrical part 33 in an axial direction, and electric resistivity of the heat leveling member 36 is higher than electric resistivity of the outer cylindrical part 33 in a circumferential direction.

IPC 8 full level
H05B 6/14 (2006.01)

CPC (source: CN EP)
H05B 6/02 (2013.01 - CN); **H05B 6/145** (2013.01 - CN EP)

Citation (examination)

- CN 204046852 U 20141224 - SHANGHAI LEGION ELECTRONIC TECHNOLOGIES CO LTD
- JP 2008280432 A 20081120 - TEIJIN LTD
- JP 2002351243 A 20021206 - CANON KK
- JP 2015102618 A 20150604 - CANON KK
- JP H0444657 U 19920415

Cited by
EP3917282A1

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DOCDB simple family (application)
EP 17185897 A 20170811; CN 201710610257 A 20170725; JP 2017137331 A 20170713