

Title (en)
Heatable roll

Title (de)
Beheizbare Walze

Title (fr)
Rouleau chauffable

Publication
EP 1760193 A3 20070718 (DE)

Application
EP 06111988 A 20060330

Priority
DE 102005040869 A 20050829

Abstract (en)
[origin: EP1760193A2] The heating roller has a smooth and hard peripheral surface for the production or treatment of fibrous materials such as paper, cardboard and tissue web. The heating roller includes a ground tube made of weldable steel, and formed with a welding layer which has greater hardness property than the ground tube. The welding layer contains metal alloy that is welded to the ground tube. An independent claim is included for the heating roller manufacture.

IPC 8 full level
D21F 5/02 (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP US)
D21F 5/021 (2013.01 - EP US); **D21G 1/0246** (2013.01 - EP US); **D21G 1/0253** (2013.01 - EP US)

Citation (search report)

- [X] WO 03076714 A2 20030918 - METSO PAPER INC [FI], et al
- [XA] EP 1529877 A1 20050511 - VOITH PAPER PATENT GMBH [DE]
- [X] EP 0710741 A2 19960508 - WARREN S D CO [US]
- [X] DE 10235142 A1 20040219 - SHW CASTING TECHNOLOGIES GMBH [DE]

Cited by
DE102013212343A1; WO2014206616A1; WO2019185236A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1760193 A2 20070307; EP 1760193 A3 20070718; EP 1760193 B1 20111123; AT E532900 T1 20111115; AT E534766 T1 20111215; DE 102005040869 A1 20070308; EP 1840261 A1 20071003; EP 1840261 B1 20111109; US 2007057019 A1 20070315

DOCDB simple family (application)
EP 06111988 A 20060330; AT 06111988 T 20060330; AT 07013737 T 20060330; DE 102005040869 A 20050829; EP 07013737 A 20060330; US 46633406 A 20060822