

Title (en)
COIL BODY FOR THE INDUCTIVE HEATING OF ROLLERS

Publication
EP 0495780 B1 19930714 (DE)

Application
EP 90910553 A 19900724

Priority
DE 3934208 A 19891013

Abstract (en)
[origin: WO9106194A1] An induction coil (5) to heat a rotating roller (4) is embedded in a plastic carrier (1). To cool the plastic carrier (1) in the region of the coil (5), a cooling element (20) in the form of a flat cooling chamber (13) with a fluid coolant flowing through it is provided on the front surface (2) of the plastic carrier (1) facing the periphery of the roller (3).

IPC 1-7
H05B 6/02

IPC 8 full level
H05B 6/02 (2006.01); **H05B 6/10** (2006.01); **H05B 6/42** (2006.01)

CPC (source: EP US)
H05B 6/145 (2013.01 - EP US); **H05B 6/42** (2013.01 - EP US)

Cited by
CN1034929C; CN102802291A

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 9106194 A1 19910502; CA 2067137 A1 19910414; CA 2067137 C 19970520; DE 3934208 A1 19910425; DE 3934208 C2 19940217; DE 59001980 D1 19930819; EP 0495780 A1 19920729; EP 0495780 B1 19930714; FI 100447 B 19971128; FI 921591 A0 19920410; FI 921591 A 19920410; JP H05500433 A 19930128; JP H077702 B2 19950130; RU 2069453 C1 19961120; US 5283409 A 19940201

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DE 9000561 W 19900724; CA 2067137 A 19900724; DE 3934208 A 19891013; DE 59001980 T 19900724; EP 90910553 A 19900724; FI 921591 A 19920410; JP 51025290 A 19900724; SU 5011774 A 19900724; US 84708492 A 19920413