

Title (en)  
COILER MANDREL

Title (de)  
HASPELDORN

Title (fr)  
MANDRIN DE BOBINAGE

Publication  
**EP 2035160 B1 20161214 (DE)**

Application  
**EP 07725969 A 20070612**

Priority  
• EP 2007005156 W 20070612  
• DE 102006029103 A 20060622  
• DE 102006048087 A 20061010

Abstract (en)  
[origin: DE102006048087A1] Coiler comprises fish plates passing through recesses (6) in the coiler body (2) in the assembled state so that the body is free from recesses on its axial end (7).

IPC 8 full level  
**B21C 47/30** (2006.01)

CPC (source: EP KR US)  
**B21C 47/02** (2013.01 - KR); **B21C 47/28** (2013.01 - KR); **B21C 47/30** (2013.01 - EP KR US); **B65H 18/04** (2013.01 - KR); **B65H 75/2487** (2021.05 - EP KR US)

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102006048087 A1 20071227**; AR 061613 A1 20080910; AU 2007263339 A1 20071227; AU 2007263339 B2 20110310; BR PI0712986 A2 20120417; CA 2656076 A1 20071227; CA 2656076 C 20111220; CN 101516541 A 20090826; EG 25375 A 20111221; EP 2035160 A1 20090318; EP 2035160 B1 20161214; JP 2009541055 A 20091126; JP 5391064 B2 20140115; KR 101174704 B1 20120816; KR 20090023420 A 20090304; MX 2009000194 A 20090123; MY 168243 A 20181015; RU 2009101904 A 20100810; TW 200819219 A 20080501; TW I369256 B 20120801; US 2010236312 A1 20100923; US 8127583 B2 20120306; WO 2007147502 A1 20071227; ZA 200900007 B 20100224

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