

Title (en)  
WINDING PLANT FOR ROLLED-STOCK

Title (de)  
WICKELANLAGE FÜR WALZGUT

Title (fr)  
INSTALLATION DE BOBINAGE POUR MATERIAU ROULE

Publication  
**EP 1638709 A1 20060329 (EN)**

Application  
**EP 04735651 A 20040601**

Priority  
• IT 2004000339 W 20040601  
• IT UD20030123 A 20030609

Abstract (en)  
[origin: WO2004108317A1] Winding plant for rolled-stock of the type comprising, downstream from a rolling-mill plant: flying cutting means; wire-guide means (3); two winding-machines (4) for the formation of coils; coil transfers means (5); wherein said exterior flange of said reel (AV) is made up of flange sectors (411), hinged to said reel by means of leverism (4111) to be rotated like the petals of a flower: from an open flower position, namely substantially radially orthogonal to the rotation axis of said reel (AV) to form substantially a closed reel for the winding of the rolled-stock to form the said coil (B), to a closed flower position, namely rotated outwards within a diameter lower than the interior diameter of said coil (B) to allow its extraction.

IPC 1-7  
**B21C 47/30**; B65H 54/58; B21C 47/06; B21C 47/32; B21C 47/34; B65H 19/28; B65H 18/10; B21C 47/24; B21C 47/02

IPC 8 full level  
**B21C 47/06** (2006.01); **B21C 47/24** (2006.01); **B21C 47/30** (2006.01); **B21C 47/34** (2006.01); **B65H 54/58** (2006.01)

CPC (source: EP)  
**B21C 47/06** (2013.01); **B21C 47/245** (2013.01); **B21C 47/30** (2013.01); **B21C 47/34** (2013.01); **B65H 54/58** (2013.01)

Citation (search report)  
See references of WO 2004108317A1

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

DOCDB simple family (publication)  
**WO 2004108317 A1 20041216**; AT E367222 T1 20070815; BR PI0409020 A 20060328; BR PI0409020 B1 20160823; CN 100384557 C 20080430; CN 1832819 A 20060913; DE 602004007660 D1 20070830; DE 602004007660 T2 20080410; EP 1638709 A1 20060329; EP 1638709 B1 20070718; ES 2289520 T3 20080201; IT UD20030123 A1 20041210; RU 2005141413 A 20060610

DOCDB simple family (application)  
**IT 2004000339 W 20040601**; AT 04735651 T 20040601; BR PI0409020 A 20040601; CN 200480010094 A 20040601; DE 602004007660 T 20040601; EP 04735651 A 20040601; ES 04735651 T 20040601; IT UD20030123 A 20030609; RU 2005141413 A 20040601