

Title (en)  
VERTICAL SHEET METAL DECOILING SYSTEM

Title (de)  
ABWICKELSYSTEM FÜR VERTIKALES BLECH

Title (fr)  
SYSTÈME DE DÉROULEMENT VERTICAL DE TÔLE

Publication  
**EP 2550217 A1 20130130 (EN)**

Application  
**EP 11760010 A 20110322**

Priority  
• US 65988710 A 20100324  
• US 2011029292 W 20110322

Abstract (en)  
[origin: US2011233318A1] A device for decoiling a coil of sheet material includes a support frame, a rotatable spindle supported by the support frame, and multiple conical support rollers supported by the support frame. The rotatable spindle has an axis of rotation directed in a vertical direction and is configured to be positioned in a hollow core of a coil of sheet material. The multiple conical support rollers are configured to support a base of the coil of sheet material, each conical support roller having a conical shape with a wide end and narrow end. Each conical support roller has an axis of rotation and is arranged such that its respective axis of rotation is directed toward the axis of rotation of the rotatable spindle. Each conical support roller is arranged such that a narrow end of the conical support roller is positioned toward the rotatable spindle.

IPC 8 full level  
**B65H 16/00** (2006.01)

CPC (source: EP KR US)  
**B21C 47/18** (2013.01 - EP US); **B21C 47/24** (2013.01 - EP US); **B21C 47/242** (2013.01 - EP US); **B65H 16/00** (2013.01 - KR); **B65H 19/123** (2013.01 - EP US); **B65H 75/2487** (2021.05 - EP KR US); **B65H 2301/3251** (2013.01 - EP US); **B65H 2301/413226** (2013.01 - EP US); **B65H 2403/942** (2013.01 - EP US); **B65H 2404/1315** (2013.01 - EP US); **B65H 2701/173** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011119516A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2011233318 A1 20110929**; AP 2012006505 A0 20121031; AR 080805 A1 20120509; AU 2011232722 A1 20121011; BR 112012024077 A2 20190924; CA 2793626 A1 20110929; CL 2012002614 A1 20121228; CN 102905997 A 20130130; CO 6630092 A2 20130301; EP 2550217 A1 20130130; JP 2013522054 A 20130613; KR 20130066585 A 20130620; MA 34081 B1 20130305; MX 2012010751 A 20121015; PE 20130829 A1 20130817; RU 2012145076 A 20140427; SG 184142 A1 20121030; TW 201200449 A 20120101; WO 2011119516 A1 20110929; ZA 201206962 B 20140226

DOCDB simple family (application)  
**US 65988710 A 20100324**; AP 2012006505 A 20110322; AR P110100988 A 20110323; AU 2011232722 A 20110322; BR 112012024077 A 20110322; CA 2793626 A 20110322; CL 2012002614 A 20120921; CN 201180025380 A 20110322; CO 12163795 A 20120921; EP 11760010 A 20110322; JP 2013501360 A 20110322; KR 20127027599 A 20110322; MA 35237 A 20120921; MX 2012010751 A 20110322; PE 2012001615 A 20110322; RU 2012145076 A 20110322; SG 2012069324 A 20110322; TW 100108804 A 20110315; US 2011029292 W 20110322; ZA 201206962 A 20120917