

Title (en)  
COILING DEVICE

Title (de)  
AUFWICKELVORRICHTUNG

Title (fr)  
DISPOSITIF DE BOBINAGE

Publication  
**EP 3670013 A4 20200826 (EN)**

Application  
**EP 18846400 A 20180817**

Priority  
• KR 20170104875 A 20170818  
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Abstract (en)  
[origin: EP3670013A1] The purpose of the present invention is to provide a coiling device in which a steel plate entering a coiler in a hot-rolling line is appropriately wound around a coiler mandrel. A coiling device according to one embodiment of the present invention may comprise: a pinch roll part provided with an upper pinch roll to bend a steel plate; a coiling-model calculator which calculates the weight and moving distance of the upper pinch roll according to material information about the steel plate, and moves the position of the upper pinch roll along the traveling direction of the steel plate; a position controller which moves the vertical position of the upper pinch roll according to the calculation values of the coiling-model calculator; and a coiler part which coils the steel plate that is bent by the pinch roll part.

IPC 8 full level  
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CPC (source: EP KR)  
**B21C 47/02** (2013.01 - KR); **B21C 47/04** (2013.01 - EP); **B21C 47/3433** (2013.01 - EP KR)

Citation (search report)  
• [A] WO 2008092896 A1 20080807 - SIEMENS AG [DE], et al  
• [A] EP 0469483 A2 19920205 - KAWASAKI STEEL CO [JP]  
• [XAI] DATABASE WPI 20 August 2003 Derwent World Patents Index; AN 2003-757611, XP002799748  
• See references of WO 2019035694A1

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DOCDB simple family (publication)  
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