

Title (en)  
WIRE COILING DEVICE

Title (de)  
DRAHTWICKELVORRICHTUNG

Title (fr)  
DISPOSITIF D'ENROULEMENT DE FIL

Publication  
**EP 3581289 A1 20191218 (EN)**

Application  
**EP 18177882 A 20180614**

Priority  
EP 18177882 A 20180614

Abstract (en)  
A wire coiling device (10) comprising, a round cylindrical wire storage container (310) and a wire guiding device (100), the wire guiding device (100) comprising an universal joint (150) comprising a first joint part (160), a second joint part (170) and a pivot cross (180) that movable links the first joint part (160) and the second joint part (170), wherein the first joint part (160) is attached to a first end portion (142) of a straight tube (140), wherein the first joint part (160) comprises a first wire opening (161), the second joint part (170) comprises a second wire opening (171), the pivot cross (180) comprises a third wire opening (181) and the first end portion (142) of the straight tube (140) comprises a fourth wire opening (141), wherein the center of the first wire opening (161), the second wire opening (171), third wire opening (181) and the fourth wire opening (141) are centered along a vertical axis (Y), furthermore the guiding device (100) comprises a turning means that moves a second end portion (144) of the straight tube (140) circular around the vertical axis (Y).

IPC 8 full level  
**B21C 47/14** (2006.01); **B65H 54/80** (2006.01)

CPC (source: EP)  
**B21C 47/143** (2013.01); **B65H 54/80** (2013.01); **B65H 2701/36** (2013.01)

Citation (search report)

- [I] US 3599891 A 19710817 - STONE KENNETH RAY
- [A] US 4546935 A 19851015 - YAMADA YASUO [JP]
- [A] US 405433 A 18890618
- [A] JP S5943774 A 19840310 - SUMITOMO ELECTRIC INDUSTRIES

Cited by  
CN114713660A

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

Designated extension state (EPC)  
BA ME

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