

Title (en)  
WIRE-HANDLING MACHINE

Title (de)  
DRAHTHANDHABUNGSMASCHINE

Title (fr)  
MACHINE DE MANUTENTION DE FILS

Publication  
**EP 4166249 A1 20230419 (EN)**

Application  
**EP 21202186 A 20211012**

Priority  
EP 21202186 A 20211012

Abstract (en)  
A wire-handling machine (2) for receiving a series of preformed loops of wire (4) and for accumulating said loops of wire in order to form an upright coil of wire, comprising an essentially horizontal conveyor arrangement (6) to convey a rolled wire arranged in the form of overlapping loops of wire from a wire providing member (8) to at least one upwardly open wire-handling chamber (10). The conveyor arrangement (6) comprises a first conveyor part (12), a second conveyor part (14), and a third conveyor part (16). The control unit (18) is configured to initiate and perform a wire cutting procedure comprising to: stop movement of conveyor on the second conveyor part (18) such that the loops of wire (4) is stationary in relation to the second conveyor part (18), and start moving the second conveyor part (18) in a direction against a second position P2 by a velocity corresponding to a second velocity; during movement of the second conveyor part (14) and when the loops of wire are stationary in relation to the second conveyor part (14), perform wire cutting of the wire at the forward end (20) of the second conveyor part (14) by a cutting device (22), and then move the second conveyor part (14) in a direction against a first position P1 and control the velocity of the conveyor of the second conveyor part (14) such that the loops of wire (4) are moved by essentially the same velocity as on the first and third conveyor parts (12, 16).

IPC 8 full level  
**B21C 47/26** (2006.01)

CPC (source: EP)  
**B21C 47/262** (2013.01)

Citation (applicant)  
• DE 4109201 A1 19920924 - THAELMANN SCHWERMASCHBAU VEB [DE]  
• US 3260471 A 19660712 - JEFFERSON CRUM EBEN

Citation (search report)  
• [XYI] JP 2007152354 A 20070621 - KOBE STEEL LTD  
• [Y] DE 4118958 A1 19921210 - THAELMANN SCHWERMASCHBAU VEB [DE]

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

Designated validation state (EPC)  
KH MA MD TN

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