

Title (en)  
Dual pivot ironing roll

Title (de)  
Glättwalze mit Doppelgelenk

Title (fr)  
Rouleau de repassage à double pivot

Publication  
**EP 1977839 A1 20081008 (EN)**

Application  
**EP 07251504 A 20070405**

Priority  
EP 07251504 A 20070405

Abstract (en)  
Apparatus for coiling a strip-shaped material with at least one ironing roll (10) which is carried by at least one pivoted lever (11) of constant length that is pivotable about the swivel axis of an adjustable pivot point, and with a deflection roller device for monitoring the strip-shaped material's shape which comprises a shape meter roll (3) and a tucking roll (4), the tucking roll (4) being at least vertically adjustable and fixable in at least two tucking roll positions. The adjustable pivot point is fixable in at least two pivot point positions, which are positioned in such a way that for each tucking roll position there exists a pivot point position in which, throughout coiling, the distance between the ironing roll's contact point with the coil and the strip-shaped material's tangent point onto the coil (7) is maintained at the optimum working distance within a tolerance of  $\pm 5$  mm.

IPC 8 full level  
**B21C 47/06** (2006.01); **B65H 18/26** (2006.01)

CPC (source: EP)  
**B21C 47/063** (2013.01); **B65H 18/26** (2013.01); **B65H 23/26** (2013.01); **B65H 2404/43** (2013.01); **B65H 2701/173** (2013.01)

Citation (search report)  
• [A] US 5275345 A 19940104 - STAHL WERNER [DE], et al  
• [DA] DE 3939561 C1 19910314  
• [DA] US 5957404 A 19990928 - FRAMPTON ANDREW [US], et al  
• [A] JP H03289510 A 19911219 - SHOWA ALUMINUM CORP

Cited by  
CN117140936A

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

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1977839 A1 20081008**; AT E477861 T1 20100915; CN 101652199 A 20100217; CN 101652199 B 20111005; DE 602008002235 D1 20100930; EP 2134481 A1 20091223; EP 2134481 B1 20100818; ES 2350158 T3 20110119; HR P20100618 T1 20101231; PL 2134481 T3 20110331; SI 2134481 T1 20101231; WO 2008122342 A1 20081016

DOCDB simple family (application)  
**EP 07251504 A 20070405**; AT 08734611 T 20080314; CN 200880011033 A 20080314; DE 602008002235 T 20080314; EP 08734611 A 20080314; EP 2008002054 W 20080314; ES 08734611 T 20080314; HR P20100618 T 20101115; PL 08734611 T 20080314; SI 200830086 T 20080314