

Title (en)  
HORIZONTAL STRIP ACCUMULATOR

Title (de)  
HORIZONTAL-BANDSPEICHER

Title (fr)  
DISPOSITIF DE STOCKAGE HORIZONTAL DE FEUILLARD

Publication  
**EP 1107836 A1 20010620 (DE)**

Application  
**EP 99942885 A 19990819**

Priority  
• DE 19838780 A 19980826  
• EP 9906061 W 19990819

Abstract (en)  
[origin: US6516987B1] A horizontal strip accumulator for metal strip includes a looper car which is moveable along a travel path at at least one swivel gate which is moveable, when the looper car is moved, by the looper car between a starting position and an end position. For moving the swivel gate, the looper car acts on an actuating element which is connected with the swivel gate through a four-gear mechanism with two swivels. The swivel gate is rotatably arranged on one swivel and the actuating element is rotatably arranged on the other swivel. The actuating element has spoke-shaped projections and the looper car has counter projections which engage between the spoke-shaped projections.

IPC 1-7  
**B21C 49/00**; **B21B 41/00**

IPC 8 full level  
**B21B 41/00** (2006.01); **B21C 49/00** (2006.01)

CPC (source: EP US)  
**B21B 41/00** (2013.01 - EP US); **B21C 49/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 0012238A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 6516987 B1 20030211**; AT E242666 T1 20030615; BR 9913275 A 20010515; CA 2341557 A1 20000309; CA 2341557 C 20080805; CN 1165390 C 20040908; CN 1313797 A 20010919; DE 19838780 A1 20000302; DE 59905943 D1 20030717; EP 1107836 A1 20010620; EP 1107836 B1 20030611; JP 2002525206 A 20020813; JP 4382286 B2 20091209; WO 0012238 A1 20000309

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**US 76311901 A 20010423**; AT 99942885 T 19990819; BR 9913275 A 19990819; CA 2341557 A 19990819; CN 99809981 A 19990819; DE 19838780 A 19980826; DE 59905943 T 19990819; EP 9906061 W 19990819; EP 99942885 A 19990819; JP 2000571034 A 19990819