

Title (en)  
HORIZONTAL STRIP ACCUMULATOR

Title (de)  
HORIZONTAL-BANDSPEICHER

Title (fr)  
DISPOSITIF DE STOCKAGE HORIZONTAL DE FEUILLARD

Publication  
**EP 1107836 B1 20030611 (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)

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

DOCDB simple family (application)  
**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