

Title (en)  
DEVICE FOR RESETTING POINTS

Title (de)  
EINRICHTUNG ZUM UMSTELLEN VON WEICHEN

Title (fr)  
DISPOSITIF POUR DEPLACER DES AIGUILLES

Publication  
**EP 1412241 A1 20040428 (DE)**

Application  
**EP 02753888 A 20020626**

Priority  
• AT 6062001 U 20010731  
• AT 0200184 W 20020626

Abstract (en)  
[origin: US2005139729A1] In a device for operating rail switches, in which a plurality of mutually coupled hydraulic operating devices are arranged in an offset manner in the longitudinal direction of the rails, the cylinder-piston units of the hydraulic operating devices are connected to be driven in the same direction. The working volumes ( 13 ) of the hydraulic cylinder piston units ( 7 ) each comprise two regions ( 18, 19 ) with defined cylinder cross sections, wherein the respective regions ( 18 ) containing end-position securing means ( 20, 21 ), safety locking means and/or sensors, of the cylinder-piston units ( 7 ) arranged in an offset manner in the longitudinal direction of the rails have equal cross sections and the respective other regions ( 19 ) of the cylinder-piston units ( 7 ) arranged in an offset manner in the longitudinal direction of the rails have cross sections differing from one another.

IPC 1-7  
**B61L 5/04; B61L 5/10**

IPC 8 full level  
**B61L 5/04** (2006.01)

CPC (source: EP US)  
**B61L 5/04** (2013.01 - EP US)

Cited by  
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Designated extension state (EPC)  
LT LV RO SI

DOCDB simple family (publication)  
**US 2005139729 A1 20050630; US 7178764 B2 20070220;** AT 5757 U1 20021125; AT E368603 T1 20070815; AU 2002322136 B2 20080605; BG 108607 A 20050228; BG 65297 B1 20071228; BR 0211596 A 20040713; CA 2455734 A1 20030213; DE 50210594 D1 20070913; DK 1412241 T3 20071210; EP 1412241 A1 20040428; EP 1412241 B1 20070801; ES 2290322 T3 20080216; HU 0401425 D0 20040830; HU P0401425 A2 20041028; NO 20040425 L 20040130; PL 201761 B1 20090529; PL 365440 A1 20050110; PT 1412241 E 20071030; WO 03011671 A1 20030213; ZA 200400704 B 20041015

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**US 48516404 A 20040128;** AT 0200184 W 20020626; AT 02753888 T 20020626; AT 6062001 U 20010731; AU 2002322136 A 20020626; BG 10860704 A 20040225; BR 0211596 A 20020626; CA 2455734 A 20020626; DE 50210594 T 20020626; DK 02753888 T 20020626; EP 02753888 A 20020626; ES 02753888 T 20020626; HU P0401425 A 20020626; NO 20040425 A 20040130; PL 36544002 A 20020626; PT 02753888 T 20020626; ZA 200400704 A 20040128