

Title (en)
Point drive system with clutch arrangement

Title (de)
Weichenantriebssystem mit Kupplungseinrichtung

Title (fr)
Dispositif de manoeuvre des aiguilles avec agencement d'embrayage

Publication
EP 1512603 B1 20071003 (EN)

Application
EP 04076944 A 20040706

Priority
GB 0320705 A 20030904

Abstract (en)
[origin: EP1512603A2] A drive system for railway points comprises a drive means (26-29, see figure 3) for producing linear motion along a first axis, a drive member 30 operatively connected to the drive means, the drive member being linearly movable along said first axis, a pivoted crank 32 having a profiled end and an output region, and an output member 11 connected to the output region of said crank, said output member being substantially linearly movable along a second axis orthogonal to said first axis for connection to a pair of movable rails 2, 3, such that in use the drive member engages said profiled end causing rotation of the crank thereby causing the output member and said pair of movable rails to move along said second axis. A series of additional cranks 39, 40 may be connected to the drive member 30 to drive the rails along their length in a synchronised manner. <IMAGE>

IPC 8 full level
B61L 5/02 (2006.01); **B61L 5/10** (2006.01)

CPC (source: EP GB)
B61L 5/02 (2013.01 - EP); **B61L 5/026** (2013.01 - GB); **B61L 5/10** (2013.01 - EP)

Cited by
EP1637428A1; EP2113438A1; FR2930503A1; EP1790548A1; FR2893576A1; FR2989049A1; EP1752354A3; EP1955919A1; EP1752354A2; KR101022256B1

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EP 1512603 A2 20050309; EP 1512603 A3 20050323; EP 1512603 B1 20071003; AT E374715 T1 20071015; DE 602004009254 D1 20071115; EP 1728701 A2 20061206; EP 1728701 A3 20070228; GB 0320705 D0 20031001; GB 2405659 A 20050309; GB 2405659 B 20060726; HK 1071112 A1 20050708

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EP 04076944 A 20040706; AT 04076944 T 20040706; DE 602004009254 T 20040706; EP 06118374 A 20040706; GB 0320705 A 20030904; HK 05102638 A 20050330