

Title (en)
Measuring vehicle for Railway

Title (de)
Messfahrzeug für Schienennetz

Title (fr)
Véhicule de mesure pour réseau ferroviaire

Publication
EP 1344702 B1 20090520 (EN)

Application
EP 03075736 A 20030313

Priority
NL 1020168 A 20020313

Abstract (en)
[origin: EP1344702A1] The invention relates to railway switch management. Data are used to calculate one or more of the quality numbers Q5, Qcp and Qj by using the following formulas: $Q5 = (1 - 0,1 \cdot Qg) \cdot (1 - 0,1 \cdot Qc) \cdot (1 - 0,1 \cdot Qt) \cdot (1 - 0,1 \cdot Qv) \cdot (1 - 0,1 \cdot Qh) \cdot 10$; $Qcp = (\Sigma Npcp / \Sigma Nmcpr) \cdot 10$; and $Qj = (0,5 \cdot Sg + St + Sv + Sh) \cdot 10 / 3,5 \cdot Rj$, the result of which is possibly combined with one or more of the results of the following formulas: $Qv = L - \Sigma (D \cdot F) / \Sigma F \cdot L$; $DI = D \cdot F$; $W = \Sigma DI / \Sigma F \cdot L$; $Qv = L - W$; $\Delta Qi = \Delta Wi = \Delta Fi / (\Sigma F + \Delta Fi) \cdot L$ into a quality level that is compared with a predetermined target quality level, and it is decided to carry out predetermined maintenance activities when a predetermined maximum difference from said comparison is exceeded, to improve the quality level of said switch. Also a measuring vehicle is proposed provided with sensors to measure one or more of the following parameters of a switch: gauge, cant, gap width, vertical and horizontal irregularity.

IPC 8 full level
B61K 9/08 (2006.01); **E01B 35/04** (2006.01)

CPC (source: EP)
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