

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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