

Title (en)
Anti-collision system for level crossing

Title (de)
Kollisionsschutzsystem für Bahnübergang

Title (fr)
Système anti-collision pour passage à niveau

Publication
EP 0976640 B1 20041006 (FR)

Application
EP 99401857 A 19990722

Priority
FR 9809790 A 19980730

Abstract (en)
[origin: EP0976640A2] The level crossing, equipped with train approach warning devices (22, 24) and half-barriers (14, 16), also has video cameras (26, 28, 30, 32) mounted on poles to provide image information to a computer (34). Image analysis software, including stereoscopic processing, is used to determine the nature of any obstacle on the crossing and a controller (36) then sends speed control or braking commands as necessary to an approaching train via the usual track communication link (40). Preferably, pixels received from the video cameras are compared with at least one threshold value to determine obstacle contour.

IPC 1-7
B61L 29/00

IPC 8 full level
B61L 29/00 (2006.01)

CPC (source: EP)
B61L 23/041 (2013.01); **B61L 29/30** (2013.01)

Cited by
SG110061A1; FR2936481A1; US2018222506A1; CN112406961A; EP3318464A1; FR3058556A1; EP2803552A3; CN105923023A; DE202008003947U1; EP2311709A2; WO2008131569A1; WO2010091970A1

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