

Title (en)  
DEVICE FOR DETECTING VEHICLE ON TRACK

Title (de)  
VORRICHTUNG ZUR FAHRZEUGERKENNUNG AUF EINER SPUR

Title (fr)  
DETECTEUR DE VEHICULES SUR UNE PISTE

Publication  
**EP 0288564 B1 19990120 (EN)**

Application  
**EP 86905931 A 19861003**

Priority  
JP 8600508 W 19861003

Abstract (en)  
[origin: WO8802326A1] A device for detecting the presence of a vehicle on a track, which includes a first fail-safe AND circuit that converts a local signal applied to a specific section of the track and a track signal into phase decision signals that vibrate with a reference voltage level as a center, and that generate an output depending upon the logical product of the two phase decision signals when the two phase signals are in phase, and a second fail-safe AND circuit that generates a vehicle signal depending upon the logical product of the output of said first AND circuit and an output of a fail-safe level decision circuit that generates the output provided that the voltage level of the track signal is greater than a predetermined value, when the above two outputs are simultaneously generated.

IPC 1-7  
**B61L 1/18**

IPC 8 full level  
**B61L 1/18** (2006.01)

CPC (source: EP)  
**B61L 1/187** (2013.01)

Cited by  
WO9111356A1

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**WO 8802326 A1 19880407**; DE 3650708 D1 19990304; DE 3650708 T2 19990701; EP 0288564 A1 19881102; EP 0288564 A4 19890621; EP 0288564 B1 19990120

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