

Title (en)
Monitoring system for detection of rails breakages and method of detection

Title (de)
Überwachungssystem zur Detektion von Schienenbrüchen und Detektionsverfahren

Title (fr)
Système de surveillance pour détecter les ruptures de rails et procédé de détection

Publication
EP 2287062 A1 20110223 (EN)

Application
EP 09009648 A 20090725

Priority
EP 09009648 A 20090725

Abstract (en)
Device for monitoring failures of rails and method for the detection of such failures, wherein the rails K are provided with sensors S 1 , S 2 to S 2n-1 , S 2n placed thereon and having associated preamplifiers PZ 1 and PZ 2 to PZ 2n-1 , PZ 2n installed as close as possible to the sensors S 1 and S 2 to S 2n-1 , S 2n , the preamplifiers being arranged in series with sequential amplifiers Z 1 and Z 2 to Z 2n-1 , Z 2n connected to a busbar (NI) that is incorporated into a computer (PC).

IPC 8 full level
B61L 23/04 (2006.01)

CPC (source: EP)
B61L 23/044 (2013.01); **B61L 23/047** (2013.01)

Citation (applicant)
• DE 19954760 A1 20000803 - CLAUSS MANFRED [DE]
• DE 19858937 A1 20000615 - KLENKE GERD [DE]
• EP 1000833 A1 20000517 - CIT ALCATEL [FR]

Citation (search report)
• [I] CA 2242723 A1 19990228 - STEPHENS ROBERT DOUGLAS [CA]
• [I] DE 19954760 A1 20000803 - CLAUSS MANFRED [DE]
• [I] EP 0514702 A1 19921125 - TELEFUNKEN SYSTEMTECHNIK [DE]
• [A] WO 2005025962 A2 20050324 - ANALOGIC ENGINEERING INC [US], et al

Cited by
RU2678521C2; WO2020173646A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2287062 A1 20110223

DOCDB simple family (application)
EP 09009648 A 20090725