

Title (en)

POINT MACHINE, POINT MACHINE MONITORING SYSTEM, USE OF A FIBER OPTIC SENSOR FOR PREDICTIVE MAINTENANCE OF A POINT MACHINE AND METHOD FOR PREDICTIVE MAINTENANCE OF A POINT MACHINE

Title (de)

WEICHENANTRIEB, WEICHENANTRIEBSÜBERWACHUNGSSYSTEM, VERWENDUNG EINES FASEROPTISCHEN SENSORS ZUR PRÄDIKTIVEN WARTUNG EINES WEICHENANTRIEBS UND VERFAHREN ZUR PRÄDIKTIVEN WARTUNG EINES WEICHENANTRIEBS

Title (fr)

MACHINE DE POINT, SYSTÈME DE SURVEILLANCE DE MACHINE DE POINT, UTILISATION D'UN CAPTEUR À FIBRE OPTIQUE POUR MAINTENANCE PRÉDICTIVE D'UNE MACHINE DE POINT ET PROCÉDÉ DE MAINTENANCE PRÉDICTIVE D'UNE MACHINE DE POINT

Publication

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Application

**EP 16179533 A 20160714**

Priority

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Abstract (en)

The invention concerns a point machine comprising: #c a housing and an actuating assembly arranged inside the housing; #c an actuating rod driven by the motor for moving at least one point blade of a point; #c a fiber optic sensor, wherein the fiber optic sensor is directly attached to the point machine for detection of a parameter which indicates the condition of the point machine.

IPC 8 full level

**B61L 7/08** (2006.01); **B61L 27/00** (2006.01); **E01B 7/00** (2006.01)

CPC (source: EP)

**B61L 7/08** (2013.01); **B61L 27/53** (2022.01)

Citation (applicant)

- CN 103323157 A 20130925 - UNIV WUHAN TECH
- T. BOHM: "Accuracy Improvement of Condition Diagnosis of Railway Switches via External Data Integration", 6TH EUROPEAN WORKSHOP ON STRUCTURAL HEALTH MONITORING

Citation (search report)

- [X] CN 103323157 A 20130925 - UNIV WUHAN TECH
- [A] US 5680489 A 19971021 - KERSEY ALAN D [US]
- [A] US 2006214068 A1 20060928 - TSAI JOHN C [US]
- [A] PEDREGAL D J ET AL: "RCM<2> predictive maintenance of railway systems based on unobserved components models", RELIABILITY ENGINEERING AND SYSTEM SAFETY, ELSEVIER APPLIED SCIENCE, GB, vol. 83, no. 1, 1 January 2004 (2004-01-01), pages 103 - 110, XP027113622, ISSN: 0951-8320, [retrieved on 20031119]

Cited by

EP3885234A1; EP4342764A1; WO2024062380A1

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