

Title (en)

Working vehicle and method for operating without driver

Title (de)

Arbeitsfahrzeug und Verfahren zum führerlosen Betrieb

Title (fr)

Véhicule utilitaire et méthode pour fonctionner sans commande

Publication

**EP 1319751 A3 20040428 (DE)**

Application

**EP 02450254 A 20021106**

Priority

AT 9372001 U 20011207

Abstract (en)

[origin: EP1319751A2] The vehicle (1) has the distance measurement system (12) in front of the cabin directed forwards across the track. An obstruction (18) on the track reflects a laser beam which is detected and at a predetermined distance from it the braking system is applied.

IPC 1-7

**E01B 35/00**; **B61L 23/06**

IPC 8 full level

**B61L 23/04** (2006.01); **E01B 35/00** (2006.01); **G01S 13/93** (2006.01)

CPC (source: EP)

**B61L 23/041** (2013.01)

Citation (search report)

- [A] EP 0624500 A1 19941117 - DEUTSCHE BAHN AG [DE]
- [A] DE 1137189 B 19620927 - ROBEL & CO G
- [A] EP 0915203 A1 19990512 - PLASSER BAHNBAUMASCH FRANZ [AT]
- [A] US 5623244 A 19970422 - COOPER GUY F [US]

Cited by

EP2168839A1; EP1778531A4; US9327743B2; US9387867B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**EP 1319751 A2 20030618**; **EP 1319751 A3 20040428**; **EP 1319751 B1 20060222**; AT 5086 U2 20020325; AT 5086 U3 20030225; AT E318343 T1 20060315; CN 1283487 C 20061108; CN 1425577 A 20030625; DE 50205871 D1 20060427; ES 2256439 T3 20060716; RU 2240942 C2 20041127

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**EP 02450254 A 20021106**; AT 02450254 T 20021106; AT 9372001 U 20011207; CN 02154028 A 20021206; DE 50205871 T 20021106; ES 02450254 T 20021106; RU 2002132271 A 20021203