

Title (en)
MOBILE TRACK MACHINE FOR MEASURING RESPECTIVELY RECORDING OR CORRECTING THE TRACK POSITION WITH LASER BEAMS
RESPECTIVELY LASER PLANS

Publication
EP 0213253 B1 19880406 (DE)

Application
EP 85890188 A 19850822

Priority
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Abstract (en)
[origin: US4691565A] A mobile machine for measuring the position of a track and arranged for mobility on the track in an operating direction, comprising a machine frame having a front end in the operating direction, track reference measuring systems on the machine frame for determining different track parameters including the vertical and lateral position of the track, a laser beam receiver on the machine frame front end, and a self-propelled satellite bogie preceding the machine frame front end in the operating direction for mobility on an uncorrected section of the track in said direction, the bogie being equipped with a drive for propelling the bogie in said direction, and a laser beam emitter emitting a laser beam extending in at least one plane and projecting the laser beam on the receiver for continuously determining any deviations in an extended uncorrected track section from a desired one of said positions, the front end of the machine frame being arranged for receiving the satellite bogie and having a storage station whereinto, and wherefrom, the satellite bogie may be propelled, and the satellite bogie being constructed for being automatically propelled into, and from, the storage station and the front end of the machine frame.

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IPC 8 full level
G01C 15/00 (2006.01); **B61K 9/08** (2006.01); **E01B 35/00** (2006.01); **E01B 35/04** (2006.01)

CPC (source: EP US)
E01B 35/00 (2013.01 - EP US); **E01B 2203/16** (2013.01 - EP US); **Y10S 33/21** (2013.01 - EP US)

Cited by
EP0329918A1; US5613442A; AT517550B1; EP1170420A3; FR2696543A1; FR2739182A1; EP0511191A3; FR2704057A1; GB2452619A; WO9317184A1; WO9415024A1; WO9306303A1; WO2009030954A1

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