

APPARATUS AND METHOD FOR REPLACING RAILWAY SLEEPERS

Abstract

5 The present disclosure generally relates to an apparatus and a method for replacing railway sleepers disposed along a railway track. The apparatus comprises a plurality of gantry devices distributed along the railway track; a guiding beam removably coupled to at least some of the plurality of gantry devices, the guiding beam being disposed above the railway track; and a lifting mechanism moveably coupled to the
10 guiding beam for carrying the railway sleepers. The lifting mechanism is adapted for travel along the guiding beam to thereby displace the railway sleepers along the guiding beam. An advantage of the apparatus of the present disclosure is that the apparatus allows railway sleepers to be raised and lowered using the lifting mechanism, as well as to be displaced along the guiding beam. The apparatus thus
15 provides an assembled structure for transporting the railway sleepers longitudinally, and the apparatus can be disassembled after replacing the railway sleepers.

FIG. 1

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