

Title (en)  
APPARATUS AND METHOD FOR TAMPING BALLAST

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM STOPFEN VON SCHOTTER

Title (fr)  
APPAREIL ET PROCÉDÉ DE BOURRAGE DE BALLAST

Publication  
**EP 3481998 A1 20190515 (EN)**

Application  
**EP 16908294 A 20160705**

Priority  
US 2016040965 W 20160705

Abstract (en)  
[origin: WO2018009173A1] The present disclosure generally relates to a railroad track ballast tamping vehicle and associated methods of use, wherein the vehicle comprises: a rigid frame; a variable-displacement servo-pump operatively coupled to the vehicle; at least one linear hydraulic actuator operatively coupled to the frame at a proximal end of the at least one linear hydraulic actuator and comprising: at least one internal cavity for receiving hydraulic fluid from the variable-displacement servo-pump via a hydraulic hose; and an actuator rod passing through a first internal cavity and a second internal cavity of the at least one linear hydraulic actuator; and a tamping tool operatively coupled to a distal end of the at least one linear hydraulic actuator. A tamping pad associated with the tamping tool may be lowered into ballast underlying railroad tracks and between railroad track ties for performing ballast tamping operations.

IPC 8 full level  
**E01B 27/16** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 2018009173A1

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