

Title (en)  
Renewal of the ballast bed of a railway

Title (de)  
Erneuerung der Schotterbett eines Schienenwegs

Title (fr)  
Renouvellement du lit de ballast d'une voie ferrée

Publication  
**EP 1775190 A3 20070620 (EN)**

Application  
**EP 06021744 A 20061017**

Priority  
NL 1030206 A 20051017

Abstract (en)  
[origin: EP1775190A2] A wagon train is designed or operated such that when it is completely filled with new bulk material, such as ballast, it can at a longitudinal end simultaneously deliver said bulk material and receive old bulk material by operation of conveyor means that belong to the train. In one aspect, the train is longitudinally provided with stationary containers for the bulk material and conveyor to convey the bulk material between the containers and to load and unload. The conveyor means are adapted to longitudinally move the bulk material in counter flow through the train, and this simultaneously, wherein a flow follows a serpentine track. The conveyors are designed such that the fed old bulk material is conveyed to a distal container, bypassing containers in between, and is unloaded into it, and is subsequently removed there from to be unloaded into a more proximal container. Alternatively, the containers can move/displace longitudinally of the train during loading and/or unloading, while the train is stationary, in a cycle of the containers in a closed loop.

IPC 8 full level  
**B61D 15/00** (2006.01); **E01B 27/06** (2006.01)

CPC (source: EP)  
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Designated extension state (EPC)  
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