

Title (en)

A railway car for the transportation of debris.

Title (de)

Eisenbahnwagen für den Transport von Schutt.

Title (fr)

Véhicule ferroviaire pour le transport des pravats.

Publication

**EP 0419423 B1 19940309 (EN)**

Application

**EP 90830335 A 19900719**

Priority

IT 362989 A 19890922

Abstract (en)

[origin: EP0419423A1] The car comprises a bin (3), and features a first horizontal belt (5) in receipt of excavated debris (4), occupying a central and longitudinal position over the bin and surmounted by a mobile wedge (6) traversed along the length of the bin and serving to distribute the incoming debris, also a plurality of flaps (7) arranged in opposing pairs along the bottom of the bin (3) and combining therewith to create a series of modular hopper sections, which are capable of movement between limit positions whereby the hopper sections are opened and closed; two further horizontal belts (8a, 8b) are installed end to end beneath the flaps (7), positioned to collect the falling contents of the hopper sections when opened up and direct them through a single dropping point onto one end of a third horizontal belt (9), remote from the bin and positioned below the second belts (8a, 8b), which is rotated by a slewing ring (10) between a non-operative inboard position and an operative position substantially transverse to the bin, adopted for the purpose of offloading.

IPC 1-7

**B61D 7/32**

IPC 8 full level

**B61D 7/32** (2006.01)

CPC (source: EP)

**B61D 7/32** (2013.01); **E01B 27/022** (2013.01)

Cited by

CN113718324A; FR2988361A1; FR2988737A1; FR2988738A1; FR3014066A1; AU2014314416B2; RU2668144C2; US11014583B2; WO2013144489A1; WO2018222468A1; US9702093B2; WO2015028321A1; EP2977107B1

Designated contracting state (EPC)

AT BE DE ES FR GB NL

DOCDB simple family (publication)

**EP 0419423 A1 19910327**; **EP 0419423 B1 19940309**; AT E102559 T1 19940315; DE 69007216 D1 19940414; DE 69007216 T2 19940623; ES 2049966 T3 19940501; IT 1235604 B 19920911; IT 8903629 A0 19890922

DOCDB simple family (application)

**EP 90830335 A 19900719**; AT 90830335 T 19900719; DE 69007216 T 19900719; ES 90830335 T 19900719; IT 362989 A 19890922