

Title (en)

Lower locking mechanism for sliding covers of railway freight wagons

Title (de)

Untere Verriegelungsvorrichtung für Schiebewände von Eisenbahngüterwagen

Title (fr)

Mécanisme inférieur de verrouillage pour paroi coulissante d' un wagon ferroviaire

Publication

**EP 1270361 B1 20041027 (EN)**

Application

**EP 02396083 A 20020610**

Priority

FI 20011344 A 20010625

Abstract (en)

[origin: EP1270361A1] The invention relates to a lower locking mechanism for keeping the rigid covers (10) of a railway freight wagon in their closed positions (K), whereby they close the wagon space (50). In their open position (A), when moved outwards from the wagon space, the covers (10) are movable over the covers in the closed position in the longitudinal direction of the wagon by means of a lower shift mechanism, which comprises transport rollers (3) in the covers, stationary run rails (2) in the wagon frame for the transport rollers, and pivot axles that are movable around the centre lines (14) that run in the longitudinal direction of the wagon, lifting and auxiliary rail sections (7) fixed to said axles and adapted to fit into the openings (20) of the run rails (2). The locking mechanism further comprises locking hooks (30), rigidly fixed to these pivot axles (4) and moving through holes (31), located in the area of the lower edges (13) of the covers (10), the cam (32) of the locking hook being located behind lower spans (34) in the closed position of the cover. <IMAGE>

IPC 1-7

**B61D 19/00**; **B61D 39/00**

IPC 8 full level

**B61D 19/00** (2006.01); **B61D 39/00** (2006.01)

CPC (source: EP)

**B61D 19/007** (2013.01); **B61D 39/006** (2013.01)

DOCDB simple family (publication)

**EP 1270361 A1 20030102**; **EP 1270361 B1 20041027**; DE 60201710 D1 20041202; DE 60201710 T2 20060209; FI 110594 B 20030228; FI 20011344 A0 20010625; FI 20011344 A 20021226

DOCDB simple family (application)

**EP 02396083 A 20020610**; DE 60201710 T 20020610; FI 20011344 A 20010625