

Title (en)

Vehicle having car body of laminated panel structure side construction

Title (de)

Fahrzeugaufbau mit Verbundseitenwänden

Title (fr)

Véhicule ayant une caisse dont les faces sont en panneaux composites

Publication

**EP 0544473 B1 19970423 (EN)**

Application

**EP 92310637 A 19921120**

Priority

JP 30894391 A 19911125

Abstract (en)

[origin: EP0544473A1] A car body of a railway vehicle is manufactured by employing laminated panels (P1-P5) such as honeycomb panels. Windows (42) of a side of the vehicle have a constant pitch in the longitudinal direction. A side construction of the side of the vehicle is provided by honeycomb panels in which the length of some panels (P1) is standardized at plural times the pitch of the window. Three panels (P1) having the length of four times the pitch of the windows are welded to each other, and at their ends are welded to the honeycomb panels (P3,P4) for adjusting length. Since many honeycomb panels of the side construction of the car body are standardized, the body can be manufactured a low cost. The honeycomb panel structure can be used in other vehicles of one train. <IMAGE>

IPC 1-7

**B61D 17/04**; **B61D 17/08**

IPC 8 full level

**B32B 3/12** (2006.01); **B61D 17/00** (2006.01); **B61D 17/04** (2006.01); **B61D 17/08** (2006.01)

CPC (source: EP KR)

**B61D 1/00** (2013.01 - KR); **B61D 17/045** (2013.01 - EP); **B61D 17/08** (2013.01 - EP)

Cited by

RU2719498C1; CN105452081A; DE19903281A1; EP0687612A1; FR2720994A1; US5797646A; EP1676667A1; EP1222999A1; EP1222995A1; EP0797043A3; US11180167B2; US6647897B1; WO2014016050A1; EP2543570B1

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