

Title (en)  
RAIL VEHICLE

Title (de)  
SCHIENENFAHRZEUG

Title (fr)  
VÉHICULE FERROVIAIRE

Publication  
**EP 3929058 A1 20211229 (EN)**

Application  
**EP 19861252 A 20190220**

Priority  
JP 2019006227 W 20190220

Abstract (en)

A railway vehicle has a double skin structure including a vehicle exterior side face plate, a vehicle interior side face plate, connection plates, and cavities surrounded thereby. The vehicle interior side face plate of the double skin structure is provided with a sound absorbing material, and is further covered with an interior panel. Holes are formed on the vehicle interior plate surface side of the double skin structure of the region where a thickness  $t$  of a space between the vehicle interior side face plate of the double skin structure and the interior panel is such that  $t \leq 3L$  with respect to a structure thickness  $L$  of the double skin structure. This allows sound insulation performance to be improved in a region most effective in reducing vehicle interior noise without reducing the passenger room space.

IPC 8 full level  
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CPC (source: EP)  
**B61D 17/041** (2013.01); **B61D 17/185** (2013.01)

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