

Title (en)
RAIL VEHICLE

Title (de)
SCHIENENFAHRZEUG

Title (fr)
VÉHICULE FERROVIAIRE

Publication
EP 3929058 A4 20220914 (EN)

Application
EP 19861252 A 20190220

Priority
JP 2019006227 W 20190220

Abstract (en)
[origin: EP3929058A1] 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
B61D 49/00 (2006.01); **B61D 17/12** (2006.01); **B61D 17/18** (2006.01)

CPC (source: EP)
B61D 17/041 (2013.01); **B61D 17/185** (2013.01)

Citation (search report)

- [A] JP 2011152918 A 20110811 - NIPPON SHARYO SEIZO KK
- [A] WO 2010113560 A1 20101007 - MITSUBISHI HEAVY IND LTD [JP], et al
- See also references of WO 2020170346A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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