

Title (en)  
FLIGHTS OF STAIRS ARRANGEMENT IN A PASSENGER VEHICLE

Title (de)  
TREPPENANORDNUNG IN EINEM MEHRSTÖCKIGEN PERSONENFAHRZEUG

Title (fr)  
ARRANGEMENT D'ESCALIER DANS UN VEHICULE A VOYAGEURS

Publication  
**EP 1458603 B1 20090304 (EN)**

Application  
**EP 02791822 A 20021213**

Priority  
• DE 10164045 A 20011224  
• EP 0214245 W 20021213

Abstract (en)  
[origin: WO03055729A1] An arrangement and design of flights of stairs in double-decker rail vehicles, in particular rail cars, in which the configuration of the interior is configured, in particular in conjunction with an entry height of 760 mm, in such a way that the problem of inadequate height dimensions in the entry region of double-decker vehicles is solved and an unimpeded exchange of passengers in the entry space (2) is made possible, and direct, unimpeded paths are produced into the large compartments and losses of seating space in the double-decker region are avoided. The stepped approach, provided in the entry space (2), to the two-lane main flight of stairs (1) is characterized by steps which are embodied so as to be arcuate and in the form of terraces and by means of adjoining straight series of steps in the longitudinal direction of the vehicle, the main flight of stairs (1) which is arranged in the centre starting approximately in the centre of the entry space (2) and leading into the upper deck (3), single-lane secondary flights of stairs (4) to the left and right of this main flight of stairs (1) leading to the lower deck (5). The arrangement and design of the flights of stairs is preferably provided for rail vehicles with an entry height of approximately 760 mm above the upper edge of the rail.

IPC 8 full level  
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CPC (source: EP)  
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