

Title (en)

SAND STAIRWAY FOR A SAND-SPREADING SYSTEM OF A RAIL VEHICLE, SAND-SPREADING SYSTEM AND RAIL VEHICLE

Title (de)

SANDTREPPE FÜR EINE SANDSTREUANLAGE EINES SCHIENENFAHRZEUGS, SANDSTREUANLAGE SOWIE SCHIENENFAHRZEUG

Title (fr)

TUYÈRE DE SABLAGE POUR UN SYSTÈME D'ÉPANDAGE DE SABLE D'UN VÉHICULE FERROVIAIRE, SYSTÈME D'ÉPANDAGE DE SABLE AINSI QUE VÉHICULE FERROVIAIRE

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Application

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Abstract (en)

[origin: WO2018054611A1] The invention relates to a sand stairway (1) for a sand-spreading system of a rail vehicle. Said sand stairway comprises a stairway housing (2) with a sand compartment (8) for providing sliding spreading sand, and with a blow-out duct (10) for discharging spreading sand from the stairway housing (2). Above the sand compartment (8) and the blow-out duct (10), the stairway housing (2) has a nozzle flange (13) with a first receiving hole (14) and a second receiving hole (15), into which a first nozzle insert (16) and a second nozzle insert (17) are releasably inserted. The nozzle inserts (16, 17) are each produced separately from the stairway housing (2). The first nozzle insert (16) is provided for producing an air jet which is directed into the sand compartment (8) and swirls up spreading sand, the second nozzle insert (17) is provided for producing an air jet which is directed into the blow-out duct (10) and swirls up spreading sand. The invention furthermore relates to a sand-spreading system for a rail vehicle, which sand-spreading system is provided with a sand stairway for the compressed-air-controlled metering of the discharged spreading sand. The invention finally relates to a rail vehicle with such a sand-spreading system. A sand stairway having increased flexibility in use is thereby provided and can be set up in particular without great effort for using different types of spreading sand.

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