

Title (en)
BOGIE FOR RAILWAY VEHICLE

Title (de)
DREHGESTELL FÜR SCHIENENFAHRZEUG

Title (fr)
BOGIE POUR VÉHICULE FERROVIAIRE

Publication
EP 4371847 A1 20240522 (EN)

Application
EP 23203965 A 20231017

Priority
JP 2022183812 A 20221117

Abstract (en)
In a bogie (1) for a railway vehicle, an air spring (6, 30) includes upper and lower opposed surfaces (11A, 13A, 31A, 33A) which are apart from each other in an up-down direction and face each other, a stopper rubber (21, 41) fixed to one opposed surface (13A, 33A) of the upper and lower opposed surfaces, and a stopper rubber receiver (22, 42) fixed to the other opposed surface (11A, 31A). A relative position between the upper and lower opposed surfaces varies from an initial state in response to a displacement of a vehicle body (7) in a front-back direction and a left-right direction allowed by the air spring. Separation distances to the one opposed surface in the up-down direction at left and right end portions (22L, 22R, 42L, 42R) of the stopper rubber receiver are shorter than that at a central portion (22M, 42M), and separation distances to the one opposed surface in the up-down direction at front and back end portions (22F, 22B, 42F, 42B) of the stopper rubber receiver are longer than that at the central portion.

IPC 8 full level
B61F 5/10 (2006.01); **B61F 5/22** (2006.01)

CPC (source: EP)
B61F 5/10 (2013.01); **B61F 5/22** (2013.01)

Citation (applicant)
JP H0524536 A 19930202 - TOKAI RUBBER IND LTD, et al

Citation (search report)
• [A] US 2018312174 A1 20181101 - SAWA TAKAYUKI [JP], et al
• [AD] JP H0524536 A 19930202 - TOKAI RUBBER IND LTD, et al
• [A] JP 2002264806 A 20020918 - FUJI HEAVY IND LTD
• [A] JP H0828618 A 19960202 - SUMITOMO ELECTRIC INDUSTRIES

Designated contracting state (EPC)
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BA

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