Title (en)

A bogie with a secondary suspension having a load balance device

Title (de)

Drehgestell mit Sekundärfederung mit Lastverteilungsvorrichtung

Title (fr)

Bogie avec une suspension secondaire ayant un dispositif d'équilibrage de charge

Publication

EP 3006299 A1 20160413 (EN)

Application

EP 14306604 A 20141010

Priority

EP 14306604 A 20141010

Abstract (en)

A bogie (300) comprising a bogie frame (302) having two opposite longitudinal sides (304, 306), and a secondary suspension system (308), wherein the secondary suspension system (308) includes at least two spring assemblies (310, 312) including an air spring (314) and equally distributed on both longitudinal sides (304, 306) of the bogie frame, and an emergency spring device (311) operating in case of air pressure loss in the air springs (314) and having an emergency spring (316) within each spring assembly, wherein the emergency spring device (311) comprises a load balance device (319) adapted to, during operation of the bogie and in case of air pressure loss in the air springs (314), balance the loads between emergency springs (316) on opposite longitudinal sides (304, 306) by moving these emergency springs (316) in opposite directions, and thus enable a relative rolling movement between the bogie (300) and the vehicle body (B).

IPC 8 full level

B61F 5/14 (2006.01); **B61F 5/22** (2006.01); **B61F 9/00** (2006.01)

CPC (source: EP)

B61F 5/144 (2013.01); **B61F 5/22** (2013.01); **B61F 9/00** (2013.01)

Citation (search report)

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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

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