

Title (en)  
CENTERING DEVICE

Title (de)  
ZENTRIERVORRICHTUNG

Title (fr)  
DISPOSITIF DE CENTRAGE

Publication  
**EP 4052989 A1 20220907 (EN)**

Application  
**EP 21712939 A 20210125**

Priority  
KR 2021000960 W 20210125

Abstract (en)  
A centering device is proposed. More particularly, according to the centering device, although a coupler coupling railroad cars, which are arranged in a front-to-rear direction, to each other is rotated leftward and rightward, the coupler is rapidly restored to initial position thereof, and in the case of the application of external force of a predetermined strength or less to the coupler, the coupler is not rotated, so when coupling the front-to-rear cars to each other, the rotation of the coupler is prevented such that the front-to-rear railroad cars are stably coupled to each other.

IPC 8 full level  
**B61G 7/12** (2006.01)

CPC (source: EP)  
**B61G 7/12** (2013.01)

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 4052989 A1 20220907; EP 4052989 A4 20221214**; JP 2023518532 A 20230502; JP 7377858 B2 20231110; WO 2022158620 A1 20220728

DOCDB simple family (application)  
**EP 21712939 A 20210125**; JP 2021516468 A 20210125; KR 2021000960 W 20210125