

Title (en)
TRAILER FOR A BICYCLE

Title (de)
ANHÄNGER FÜR EIN FAHRRAD

Title (fr)
REMORQUE POUR BICYCLETTE

Publication
EP 3164325 A1 20170510 (DE)

Application
EP 15731251 A 20150622

Priority
• DE 102014009746 A 20140701
• EP 2015001255 W 20150622

Abstract (en)
[origin: CA2953408A1] The invention relates to a trailer (2) for a bicycle (1), having a braking device acting on a wheel or the wheels (4) of the trailer (2); a sensor device (12) which supplies a measured variable which is a measure of an acceleration force acting on the trailer (2) via a tow bar (5); a regulator (18) which acts on the braking device of the trailer (2) and is designed to act on the braking device, depending on the measured variable determined by the sensor device (12), in such a manner that an inertial force of the trailer (2) generated in the wheeling mode or during braking of the bicycle (1) is compensated for or is at least reduced; and a decoupling device (10; 410; 510) which is designed for the partial mechanical decoupling of a movement of the bicycle trailer (2) with respect to the bicycle (1) in the longitudinal direction of the bicycle trailer (L).

IPC 8 full level
B60D 1/00 (2006.01); **B60D 1/62** (2006.01); **B62K 27/00** (2006.01); **B62M 7/14** (2006.01)

CPC (source: CN EP US)
B60D 1/62 (2013.01 - CN EP US); **B60T 7/20** (2013.01 - CN US); **B62J 45/414** (2020.02 - CN EP US); **B62J 45/42** (2020.02 - CN EP US); **B62K 27/003** (2013.01 - CN EP US); **B62K 27/14** (2013.01 - EP); **B62M 6/50** (2013.01 - EP US); **B62M 7/14** (2013.01 - CN US); **B62M 7/16** (2013.01 - EP US); **B60D 2001/003** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2016000810A1

Cited by
CN111572510A; US11491832B2; US11084342B2; US10670479B2; US11135882B2; US10696109B2; US10940726B2; US11221262B2

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)
DE 102014009746 A1 20160107; **DE 102014009746 B4 20230112**; CA 2953408 A1 20160107; CN 107000806 A 20170801; CN 107000806 B 20190614; EP 3164325 A1 20170510; US 10239369 B2 20190326; US 2017144497 A1 20170525; WO 2016000810 A1 20160107

DOCDB simple family (application)
DE 102014009746 A 20140701; CA 2953408 A 20150622; CN 201580036320 A 20150622; EP 15731251 A 20150622; EP 2015001255 W 20150622; US 201515323288 A 20150622