

Title (en)

COUPLING DEVICE FOR CONNECTING A HEAVY VEHICLE AND A TOWED UNIT, AND TOWING METHOD

Title (de)

KUPPLUNGSVORRICHTUNG ZUR VERBINDUNG EINES SCHWERFAHRZEUGS MIT EINER GESCHLEPPTEN EINHEIT UND SCHLEPPVERFAHREN

Title (fr)

DISPOSITIF DE LIAISON ENTRE UN VEHICULE LOURD ET UN ENGIN TRACTE ET PROCEDE DE TRACTION

Publication

**EP 2181002 A1 20100505 (FR)**

Application

**EP 08774943 A 20080709**

Priority

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- FR 0705167 A 20070716

Abstract (en)

[origin: WO2009010439A1] The invention relates to a coupling device (3) for connecting a heavy vehicle (1) and a towed unit (2) which, in the working position, are arranged on a ground forming a horizontal plane, said device (3) allowing the relative pitch movement between the towed unit (2) and the heavy vehicle (1). According to the invention, the distance (4) between the instantaneous centre of rotation (5) of the relative pitch movement of the towed unit (2) with respect to the heavy vehicle (1) and the orthogonal projection of said instantaneous centre of rotation (5) onto said horizontal plane is less than 1/9 of the outside diameter of the largest mounted assembly of the heavy vehicle and/or less than 25 centimetres. The invention also provides a method of towing a unit by a heavy vehicle.

IPC 8 full level

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CPC (source: EP US)

**A01B 59/042** (2013.01 - EP US); **B60D 1/00** (2013.01 - EP US); **B60D 1/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2009010439A1

Cited by

US11491832B2; US11084342B2; US10670479B2; US11135882B2; US10696109B2; US10940726B2; US11221262B2

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