

Title (en)

Coupling bar for transmitting drawing and puffing forces.

Title (de)

Kupplungsstange zum Übertragen von Zug- und Stoßkräften

Title (fr)

Barre d'accouplement pour la transmission des efforts de traction et de compression.

Publication

**EP 1905661 B1 20090325 (DE)**

Application

**EP 06121410 A 20060928**

Priority

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Abstract (en)

[origin: EP1905661A1] The coupling rod (1) has a force transmission element (10) and another force transmission element (20). The force flow flows through another force transmission element. The force flow takes place during the transmission of traction force and percussive energy in longitudinal direction of the coupling rod. The hollow chamber (22) is formed by the wall of the force transmission body (21) and by the top face (14) of the head section (13,23,25) of the traction rod (12) and by a side surface (15) of the hollow body facing the force transmission element.

IPC 8 full level

**B61G 5/02** (2006.01); **B61D 15/06** (2006.01); **B61G 7/14** (2006.01); **B61G 11/16** (2006.01)

CPC (source: EP)

**B61D 15/06** (2013.01); **B61G 5/02** (2013.01); **B61G 7/14** (2013.01); **B61G 11/16** (2013.01)

Cited by

JP2010526702A; CN103010250A; KR100916597B1; CN110099837A; RU2731945C1; KR100916595B1; CN103459230A; GB2517970A; GB2517970B; EP3184397A1; US10960906B2; US10000219B2; CN106240595A; EP3205551A1; CN110621565A; EP2295305A1; EP3173307A1; DE102016215201A1; CN109641599A; RU2718184C2; KR101063942B1; EP3162652A1; CN108248534A; WO2017071802A3; WO2013056950A1; WO2015043654A1; WO2018114161A1; US9421985B2; US9663122B2; US10773737B2; WO2017093153A1; WO2018033271A1; US8100237B2; US10988149B2; EP2845784B1

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