

Title (en)  
Shearload dowel bearing

Title (de)  
Querkraftdornlagerung

Title (fr)  
Palier d'un boulon de force transversale

Publication  
**EP 0814213 B1 20010905 (DE)**

Application  
**EP 97810368 A 19970612**

Priority  
CH 153496 A 19960619

Abstract (en)  
[origin: US5911538A] A transverse force rod having at least one bearing cage disposed on both sides of a joint. Each bearing cage has a front plate and a trapezoidally shaped steel strip which is welded to the front plate. The transverse force rod is fixedly supported in one bearing cage, and a transverse force rod bearing sleeve is fixedly supported in the front plate of another bearing cage. The transverse force rod or the transverse force rod bearing sleeve penetrates the front plate and the steel strip of the one bearing cage or the other bearing cage.

IPC 1-7  
**E04B 1/48**; **E01C 11/14**

IPC 8 full level  
**E01C 11/02** (2006.01); **E01C 11/14** (2006.01); **E01D 19/06** (2006.01); **E04B 1/48** (2006.01)

CPC (source: EP US)  
**E01C 11/14** (2013.01 - EP US); **E04B 1/483** (2013.01 - EP US)

Citation (examination)  
EP 0773324 A1 19970514 - F J ASCHWANDEN AG [CH]

Cited by  
DE102005036881A1; DE102005036881B4; DE102010017046A1; WO2012025106A2

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**US 5911538 A 19990615**; AT E205276 T1 20010915; AU 2007597 A 19980108; AU 716140 B2 20000217; CA 2206359 A1 19971219; CA 2206359 C 20050913; CH 691066 A5 20010412; CN 1081708 C 20020327; CN 1178276 A 19980408; DE 29620638 U1 19970220; DE 59704511 D1 20011011; EP 0814213 A1 19971229; EP 0814213 B1 20010905; JP 4115554 B2 20080709; JP H1072803 A 19980317; KR 100412928 B1 20040309; MY 117911 A 20040830; TW 344008 B 19981101

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**US 87842797 A 19970618**; AT 97810368 T 19970612; AU 2007597 A 19970506; CA 2206359 A 19970528; CH 153496 A 19960619; CN 97105534 A 19970606; DE 29620638 U 19961127; DE 59704511 T 19970612; EP 97810368 A 19970612; JP 12999297 A 19970520; KR 19970024978 A 19970617; MY PI9702721 A 19970617; TW 86106795 A 19970521