Title (en)
CONCRETE SLEEPER AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
BETONSCHWELLE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
POUTRE EN BETON ET PROCEDE DE PRODUCTION ASSOCIE

Publication
EP 1831467 A1 20070912 (DE)

Application
EP 05804984 A 20051125

Priority
- DE 2005002131 W 20051125
- DE 102004063636 A 20041231

Abstract (en)
[origin: WO2006069553A1] Disclosed is a concrete sleeper for great dynamic loads with rail supporting areas (2) and a lower base zone. Said concrete sleeper is made of a high-strength standard concrete (4) that absorbs great pressure. The rail supporting areas (2) and/or the lower base zone is/are made of a wear-resistant, non-abrasive, or tension-proof material.

IPC 8 full level
B28B 1/00 (2006.01); **B28B 23/00** (2006.01); **E01B 3/46** (2006.01)

CPC (source: EP KR)
B28B 1/008 (2013.01 - EP KR); **B28B 23/005** (2013.01 - EP); **E01B 3/46** (2013.01 - EP KR)

Citation (search report)
See references of WO 2006069553A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006069553 A1 20060706; AR 056634 A1 20071017; AU 2005321663 A1 20060706; AU 2005321663 B2 20090625; BR PI0518986 A2 20081216; CA 2589943 A1 20060706; CN 101094957 A 20071226; DE 102004063636 A1 20060713; EP 1831467 A1 20070912; EP 1831467 B1 20151104; ES 2558868 T3 20160209; HU E026656 T2 20160728; IL 184102 A0 20071031; JP 2008527201 A 20080724; KR 20070087585 A 20070828; MA 29162 B1 20080102; MX 2007007814 A 20071018; RU 2007129153 A 20090210; TW 200624634 A 20060716; UA 89508 C2 20100210; ZA 200706361 B 20080827

DOCDB simple family (application)
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