

Title (en)
ASYMMETRICAL TRIPLE-ROW ANTI-FRICTION BEARING

Title (de)
ASYMMETRISCHES DREIREIHIGES WÄLZLAGER

Title (fr)
PALIER À ROULEMENT ASYMÉTRIQUE À TROIS RANGÉES

Publication
EP 1979639 A1 20081015 (DE)

Application
EP 07711146 A 20070116

Priority
• DE 2007000056 W 20070116
• DE 102006004297 A 20060131

Abstract (en)
[origin: DE102006004297A1] The ball bearing has two bearing rings and multiple rolling elements, which are arranged between the two bearing rings. The rolling elements are arranged in multiple rows (11,12,13) and the rows are arranged in longitudinal direction of the ball bearing asymmetrically concerning any level (ME) which is perpendicular to a longitudinal direction of the ball bearing. An independent claim is also included for a wheel bearing, which has a ball bearing.

IPC 8 full level
F16C 19/18 (2006.01)

CPC (source: EP KR US)
F16C 19/18 (2013.01 - KR); **F16C 19/181** (2013.01 - EP US); **F16C 33/58** (2013.01 - KR); **F16C 19/185** (2013.01 - EP US); **F16C 19/186** (2013.01 - EP US); **F16C 2240/34** (2013.01 - EP US); **F16C 2240/40** (2013.01 - EP US); **F16C 2240/80** (2013.01 - EP US); **F16C 2326/02** (2013.01 - EP US)

Citation (search report)
See references of WO 2007087775A1

Citation (examination)
• JP 2004345439 A 20041209 - HONDA MOTOR CO LTD
• DE 202004001454 U1 20040401 - SKF AB [SE]
• JP 2004090732 A 20040325 - NTN TOYO BEARING CO LTD

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)
DE 102006004297 A1 20070802; DE 102006004297 B4 20190307; BR PI0706796 A2 20110405; BR PI0706796 A8 20160726; BR PI0706796 A8 20160816; BR PI0706796 A8 20160906; CA 2641532 A1 20070809; CA 2641532 C 20130409; CN 101400905 A 20090401; CN 101400905 B 20120208; EP 1979639 A1 20081015; JP 2009525446 A 20090709; KR 20080091246 A 20081009; RU 2008135302 A 20100310; RU 2429392 C2 20110920; US 2009010586 A1 20090108; US 8007182 B2 20110830; WO 2007087775 A1 20070809

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