

Title (en)
INSTRUMENTED ASSEMBLY AND ASSOCIATED LOCKING PLATE

Title (de)
INSTRUMENTENBAUGRUPPE UND ZUGEHÖRIGE VERSCHLUSSPLATTE

Title (fr)
ASSEMBLAGE INSTRUMENTÉ ET RONDELLE FREIN ASSOCIÉE

Publication
EP 2564209 A1 20130306 (FR)

Application
EP 11730718 A 20110331

Priority
• FR 1001872 A 20100430
• FR 2011000195 W 20110331

Abstract (en)
[origin: WO2011135199A1] The invention relates to an instrumented assembly comprising an axle journal (1), an inner race (2) mounted on the axle journal, a journal cap (6) comprising a bottom provided with at least one open hole and a skirt provided with a distal end directly or indirectly axially pressed against the inner race (2), a magnetic encoder ring (12) arranged radially outside the skirt of the journal cap (6) and at least partially covering the skirt of the journal cap, and a locking plate (9) for locking in rotation at least one assembly screw (7) extending through the hole and attaching the journal cap (6) to the axle journal. According to the invention, the locking plate (9) comprises an at least partially non-magnetic skirt (11) that covers the encoder ring (12) in order to protect same. The invention also relates to a locking plate for forming part of such an assembly, and to an assembly comprising a locking plate and a journal cap.

IPC 8 full level
G01P 3/44 (2006.01); **B61F 15/26** (2006.01); **B61K 9/04** (2006.01); **F16B 39/10** (2006.01); **F16B 41/00** (2006.01); **F16C 25/06** (2006.01); **G01P 3/487** (2006.01)

CPC (source: EP KR)
B61F 15/26 (2013.01 - EP KR); **B61K 9/04** (2013.01 - EP KR); **F16C 35/063** (2013.01 - EP); **F16C 41/007** (2013.01 - EP); **G01P 3/44** (2013.01 - KR); **G01P 3/443** (2013.01 - EP); **G01P 3/487** (2013.01 - EP KR); **F16B 39/108** (2013.01 - EP); **F16C 19/386** (2013.01 - EP); **F16C 2326/10** (2013.01 - EP)

Citation (search report)
See references of WO 2011135199A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011135199 A1 20111103; CN 102893162 A 20130123; CN 102893162 B 20150401; EP 2564209 A1 20130306; FR 2959539 A1 20111104; FR 2959539 B1 20120713; KR 20130061146 A 20130610; RU 2012151267 A 20140610

DOCDB simple family (application)
FR 2011000195 W 20110331; CN 201180020428 A 20110331; EP 11730718 A 20110331; FR 1001872 A 20100430; KR 20127031283 A 20110331; RU 2012151267 A 20110331