

Title (en)
PLANET GEAR FOR A PLANETARY GEAR TRAIN

Title (de)
PLANETENRAD FÜR EIN PLANETENGETRIEBE

Title (fr)
ROUE SATELLITE POUR ENGRENAGE PLANÉTAIRE

Publication
EP 2691673 A1 20140205 (DE)

Application
EP 11712530 A 20110330

Priority
EP 2011054952 W 20110330

Abstract (en)
[origin: WO2012130304A1] The invention relates to a planet gear (10) for a planetary gear train, comprising a bearing bush (12) for connecting to a planet carrier of the planetary gear train and comprising a toothed ring (14), which surrounds the bearing bush (12) in the circumferential direction and which is made of plastic. In order to develop the planet gear in such a way that it can be produced and installed cost-effectively, the bearing bush (12) forms a plain bearing made of plastic and the toothed ring (14) is formed on the bearing bush (12) as a plastic molded part. The invention further relates to the use of such a planet gear in a planetary gear train of a cleaning device driven by a motor.

IPC 8 full level
B29D 15/00 (2006.01); **F16C 33/20** (2006.01); **F16H 55/06** (2006.01); **F16H 57/08** (2006.01)

CPC (source: EP)
F16C 33/107 (2013.01); **F16H 55/06** (2013.01); **F16H 57/08** (2013.01); **F16C 17/02** (2013.01); **F16C 33/201** (2013.01); **F16C 2208/02** (2013.01); **F16C 2208/66** (2013.01); **F16C 2361/61** (2013.01); **F16H 2055/065** (2013.01); **F16H 2057/085** (2013.01)

Citation (search report)
See references of WO 2012130304A1

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 2012130304 A1 20121004; BR 112013018724 A2 20161025; CN 103477122 A 20131225; EP 2691673 A1 20140205

DOCDB simple family (application)
EP 2011054952 W 20110330; BR 112013018724 A 20110330; CN 201180069871 A 20110330; EP 11712530 A 20110330