

Title (en)  
PLANETARY TRANSMISSION AND POWERSHIFT TRANSMISSION

Title (de)  
PLANETENGETRIEBE UND LASTSCHALTGETRIEBE

Title (fr)  
BOÎTE À ENGRENAGES PLANÉTAIRES ET BOÎTE DE VITESSES COMMANDÉE SOUS CHARGE

Publication  
**EP 3555496 A2 20191023 (DE)**

Application  
**EP 17816824 A 20171215**

Priority  
• DE 202016107084 U 20161216  
• EP 2017083086 W 20171215

Abstract (en)  
[origin: WO2018109179A2] In a planetary manual transmission 7 with first and second clutches C1, C2, the first clutch C1 can be actuated hydraulically from the outside, whereas the second clutch C2, which is in the form of a freewheel 24, automatically switches between coupling and freewheeling states depending on the direction of rotation.

IPC 8 full level  
**F16H 3/54** (2006.01)

CPC (source: EP)  
**A01K 5/004** (2013.01); **F16H 3/54** (2013.01); **F16H 2200/0034** (2013.01); **F16H 2200/2005** (2013.01); **F16H 2200/2035** (2013.01); **F16H 2200/2066** (2013.01); **F16H 2200/2082** (2013.01)

Citation (examination)  
EP 0880890 A1 19981202 - TRIOLIET MULLOS [NL]

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 202016107084 U1 20180319**; EP 3555496 A2 20191023; WO 2018109179 A2 20180621; WO 2018109179 A3 20180823

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**DE 202016107084 U 20161216**; EP 17816824 A 20171215; EP 2017083086 W 20171215