

Title (en)  
TRANSMISSION FOR A BICYCLE

Title (de)  
GETRIEBE FÜR EIN FAHRRAD

Title (fr)  
TRANSMISSION POUR BICYCLETTE

Publication  
**EP 3554936 A1 20191023 (DE)**

Application  
**EP 17804180 A 20171124**

Priority  
• DE 102016225142 A 20161215  
• EP 2017080397 W 20171124

Abstract (en)  
[origin: WO2018108490A1] The invention relates to a transmission for a bicycle, comprising an input shaft (1), which can be connected to a pedal crank shaft (2) for conjoint rotation, and an output shaft (3), which can be connected to an output wheel for conjoint rotation. The transmission is characterized in that the transmission has at least three, in particular exactly three, planetary gearboxes, which are operatively connected to the input shaft and the output shaft, wherein a single one of the planetary gearboxes has a stepped planet gear (4) having a first toothed region (5) having a first diameter and a second toothed region (6) having a second diameter.

IPC 8 full level  
**B62M 11/18** (2006.01); **B62M 6/55** (2010.01); **B62M 11/14** (2006.01)

CPC (source: EP US)  
**B62M 6/55** (2013.01 - EP US); **B62M 11/145** (2013.01 - EP US); **B62M 11/18** (2013.01 - EP US)

Citation (search report)  
See references of WO 2018108490A1

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)  
**WO 2018108490 A1 20180621**; CN 110072768 A 20190730; DE 102016225142 A1 20180621; DE 102016225142 B4 20230810;  
EP 3554936 A1 20191023; US 11046391 B2 20210629; US 2020086949 A1 20200319

DOCDB simple family (application)  
**EP 2017080397 W 20171124**; CN 201780077739 A 20171124; DE 102016225142 A 20161215; EP 17804180 A 20171124;  
US 201716469957 A 20171124