

Title (en)
POWER-SHIFT MULTI-SPEED TRANSMISSION

Title (de)
LASTSCHALTbares MEHRGANGGETRIEBE

Title (fr)
BOÎTE DE VITESSES À PLUSIEURS RAPPORTS COMMANDÉE EN CHARGE

Publication
EP 3870879 A1 20210901 (DE)

Application
EP 19801206 A 20191016

Priority
• DE 102018218183 A 20181024
• EP 2019078074 W 20191016

Abstract (en)
[origin: WO2020083723A1] The invention relates to a multi-speed transmission (10) which is driven via an electric machine (64). The multi-speed transmission (10) has a planet carrier (22), on which at least one first and second stepped planetary gear (24, 30) are received. First planetary steps (26, 32) of the stepped planetary gears (24, 30) mesh with a first sun gear (18), and second planetary steps (28, 34) of the stepped planetary gears (24, 30) mesh with a second sun gear (20, 54). A first brake (38) is paired with the first sun gear (18), and a second brake (42) is paired with the second sun gear (20, 54), the actuation of each said brake producing a first gear ratio, a second gear ratio for a parking lock function, and an overlapping gear shift.

IPC 8 full level
F16H 3/66 (2006.01); **F16H 61/00** (2006.01)

CPC (source: EP US)
B60K 1/00 (2013.01 - US); **B60K 17/08** (2013.01 - US); **F16H 3/663** (2013.01 - EP US); **F16H 37/042** (2013.01 - US); **F16H 61/0059** (2013.01 - EP US); **B60K 2001/001** (2013.01 - US); **F16H 2200/0034** (2013.01 - EP US); **F16H 2200/2007** (2013.01 - EP US); **F16H 2200/2035** (2013.01 - EP US); **F16H 2702/02** (2013.01 - US)

Citation (search report)
See references of WO 2020083723A1

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 2020083723 A1 20200430; CN 112867880 A 20210528; DE 102018218183 A1 20200430; EP 3870879 A1 20210901; US 2021404536 A1 20211230

DOCDB simple family (application)
EP 2019078074 W 20191016; CN 201980070352 A 20191016; DE 102018218183 A 20181024; EP 19801206 A 20191016; US 201917288705 A 20191016