

Title (en)
TOOTHED BELT DRIVE

Title (de)
ZAHNRIEMENTRIEB

Title (fr)
MÉCANISME À COURROIE DENTÉE

Publication
EP 3384182 A1 20181010 (DE)

Application
EP 16759744 A 20160831

Priority
• DE 102015223800 A 20151130
• EP 2016070434 W 20160831

Abstract (en)
[origin: WO2017092895A1] The invention relates to a toothed belt drive for force transmission, comprising at least two toothed belt discs and at least one toothed belt, wherein the toothed belt has a textile layer on the toothed side having a loose surface. The object of the invention is to improve the toothed belt drive in such a way that structure-borne sound and strand vibrations can be further reduced during setting of the belt teeth (3, 4). The object is achieved in that the tooth gap depth T (6) is reduced to a depth T', and the height H of the teeth (3, 4) of the toothed belt disc is reduced to a height H', and the tooth heads (4, 8) are flattened to a level (9).

IPC 8 full level
F16H 55/08 (2006.01); **F16H 55/17** (2006.01)

CPC (source: EP)
F16H 55/08 (2013.01); **F16H 55/171** (2013.01)

Citation (search report)
See references of WO 2017092895A1

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 102015223800 A1 20170601; CN 108291626 A 20180717; CN 108291626 B 20210831; EP 3384182 A1 20181010;
WO 2017092895 A1 20170608

DOCDB simple family (application)
DE 102015223800 A 20151130; CN 201680069938 A 20160831; EP 16759744 A 20160831; EP 2016070434 W 20160831