Title (en)
  A TRANSMISSION SYSTEM

Title (de)
  ÜBERTRAGUNGSSYSTEM

Title (fr)
  SYSTÈME DE TRANSMISSION

Publication
  EP 3652465 A1 20200520 (EN)

Application
  EP 18742983 A 20180712

Priority
  • RU 2017125286 A 20170714
  • EP 2018069028 W 20180712

Abstract (en)
  [origin: WO2019012078A1] A planetary roller transmission comprises at least two ring pairs, a first ring pair and a second ring pair, in which each ring pair is aligned to a common axis, each ring pair comprising an outer ring and an inner ring radially spaced apart to accommodate a plurality of rollers, the plurality of rollers being arranged in a pitch circle between said ring pairs to frictionally engage both the outer and the inner rings and connect the ring pairs to each other, the rollers comprising a first portion disposed between the first ring pair and a second portion disposed between the second ring pair, the first and second roller portions having substantially different diameters, wherein either the inner or outer ring of the first ring pair is fixed, the other of the first or second rings of the first ring pair being free to rotate, so that rotation of the freely rotatable ring causes the rollers to rotate about the fixed ring and therefore transfer drive to the outer and inner ring of the second ring pair.

IPC 8 full level
  F16H 3/091 (2006.01); **F16H 15/56** (2006.01)

CPC (source: EP)
  F16H 15/56 (2013.01); F16H 2200/0034 (2013.01); F16H 2200/0039 (2013.01); F16H 2200/2007 (2013.01); F16H 2200/201 (2013.01); F16H 2200/2038 (2013.01); F16H 2200/2071 (2013.01)

Citation (search report)
  See references of WO 2019012078A1

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