

Title (en)
WHEEL RIM GEAR TRAIN AND PLANETARY GEAR TRAIN (I)

Title (de)
RADFELGENGETRIEBE UND PLANETENUMLAUFGETRIEBE (I)

Title (fr)
ENGRENAGE DE JANTE ET ENGRENAGE PLANÉTAIRE

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Application
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Abstract (en)
[origin: WO2012010167A2] The invention relates to a wheel rim gear train and planetary gear train (I), comprising one or more inner shafts and drive shafts (1), drive shafts (2), wrap-around drive wheels (3), wrap-around means b (4b), wrap-around wheels (5), gear shafts (6), rolling gears (9), rolling drive wheels (3a), support gears having transfer shafts (10), ring gears a - e (12a - 12e), carriers (25), housings having transfer shafts (26), and outer housings (27), wherein the particular ring gears a - e (12a - 12e) and support gears having transfer shafts (10) are driven by means of the respective one or more inner shafts and drive shafts (1) and the one or more drive shafts (2) or by means of the respective one or more wrap-around transmissions each having one or more ring gears a - e (12a - 12e), wrap-around drive wheels (3), gear shafts (6), wrap-around wheels (5), wrap-around means b (4b), or the respective one or more rolling contact gear trains each having one or more ring gears a - e (12a - 12e), rolling drive wheels (3a), gear shafts (6), rolling gears (9), and support gears having transfer shafts (10). Furthermore, the particular ring gears a - e (12a - 12e) are driven by means of the respective one or more inner shafts and drive shafts (1) and the one or more drive shafts (2) or by means of a combination of one or more wrap-around transmissions and rolling contact gear trains, furthermore one or more wrap-around drive wheels (3) and one or more wrap-around wheels (5) engage with each other on the respective shafts by means of one more wrap-around means b (4b). The wheel rim gear train and planetary gear train (I) can also be designed in such a way that two or more wrap-around wheels (5) and the wrap-around means b (4b) are engaged with each other in the respective wrap-around transmission, wherein here also a wrap-around means (4b) can be engaged with a plurality of wrap-around wheels (5) on different shafts, furthermore the respective rolling gears (9) have no engagement, one engagement, or several engagements with further rolling gears (9), rolling drive wheels (3a), support gears having transfer shafts (10), and ring gears a - e (12a - 12e) in the circumferential direction and radially over each other.

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