

Title (en)
MECHANICAL REDUCTION GEAR

Title (de)
MECHANISCHES UNTERSETZUNGSGETRIEBE

Title (fr)
REDUCTEUR

Publication
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Application
EP 19835435 A 20191203

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Abstract (en)
[origin: WO2020144410A1] The invention relates to a mechanical reduction gear (5) comprising an outer ring (55) having a pitch circle diameter D55, at least one planetary gear (51, 52, 53, 51',52') having a pitch circle diameter D50 for rotating inside the ring with an eccentricity "e" equal to half of the difference between diameter D55 and diameter D50; $e = \frac{1}{2}(D55 - D50)$; wherein said at least one planetary gear (51, 52, 53, 51',52') is maintained between the two flanges (573, 574, 573', 574') of a carrier (57); said at least one planetary gear (51, 52, 53, 51',52') has at least three circular openings (502) of diameter D502, each of them being traversed by a small shaft (575) of diameter D575 which is substantially equal to the diameter of the circular opening (502), D502, minus the double of the eccentricity "e", $D575 = D502 - (2 \times e)$; characterized in that the at least three small shafts (575) are mounted in a rotatable manner with respect to the carrier (57) with the aid of small bearings (576, 577) housed in said flanges (573, 574, 573', 574') of the carrier (57).

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