

Title (en)
BELT DRIVE AND STEERING SYSTEM

Title (de)
RIEMENGETRIEBE UND LENKSYSTEM

Title (fr)
DISPOSITIF DE TRANSMISSION À COURROIE ET SYSTÈME DE DIRECTION

Publication
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Application
EP 16805855 A 20161206

Priority
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Abstract (en)
[origin: WO2017144134A1] The invention relates to a belt drive (7) with a drive gear (8), an output gear (10), and a tensioning gear (11). The belt drive is characterized by at least two belts (12a, 12b) which partly loop the drive gear (8) and the output gear (10) and a strand of each of which partly loops the tensioning gear (11). One strand of the first belt (12a) loops the tensioning gear (11) in one of the circumferential directions, said strand extending from the drive gear (8) to the output gear (10), and one strand of the second belt (12b) loops the tensioning gear (11) in the other circumferential direction, said strand extending from the drive gear (8) to the output gear (10). By using such a belt drive (7), a relatively large looping angle is achieved for the drive gear (8) and the output gear (10), and correspondingly a relatively large transmission power is achieved. Additionally, a belt (12a, 12b) self-tensioning function which is independent of the rotational direction can thereby be achieved as a result of the effect of the respective other belt (12a, 12b). By guiding the belts (12a, 12b) in this manner, an additional mounting of the tensioning gear (11) can also be omitted.

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