

Title (en)
VIBRATING SYSTEM

Title (de)
VIBRATIONSSYSTEM

Title (fr)
SYSTEME VIBRATOIRE

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Application
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Abstract (en)
[origin: WO2014125182A1] The present invention relates to a swinging system, which includes two gear trains (45, 67) each having two pinions (4, 5, 6, 7), a first drive train (45) and a second train (67) driven by the first train (45), a first pinion (4, 5) of the first train (45) engaging a first pinion (6, 7) of the second train (67), the second pinion (5, 4) of the first train (45) engaging the second pinion (7, 6) of the second train (67), the second pinion (5, 4) of the first train (45) being mounted by a sliding connection onto the same shaft or spindle (2) as the second pinion (7, 6) of the second train (67), said second pinion (7, 6) of the second train (67) being mounted by a helical connection onto said shaft (2), each pinion (4, 5, 6, 7) including a disk (40, 50, 60, 70) having a rotation axle (X, 05, 06), the system being characterized in that the disk (60) of the first pinion (6) of the second gear train is off-axis relative to the other pinion (5) of the first gear train (45) and in that one of the two disks (5, 6) includes a slug (61) which fits into a groove (51) arranged in the second disk (6, 5). Thus, the speed of rotation of the first pinion (6, 7) of the second train (67) varies relative to the speed of rotation of the first pinion (4, 5) of the second train (45).

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