

Title (en)

DRIVE ASSEMBLY, INDUSTRIAL ROBOT, ROBOT BOOM AND ROBOT JOINT

Title (de)

ANTRIEBSANORDNUNG, INDUSTRIEROBOTER, ROBOTERARM UND ROBOTERGELENK

Title (fr)

ENSEMBLE D'ENTRAÎNEMENT, ROBOT INDUSTRIEL, BRAS DE ROBOT ET JOINT DE ROBOT

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Application

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Priority

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Abstract (en)

[origin: WO2011029472A1] A drive assembly comprising a motor (10) including a motor housing (20), a rotor (44), a rotor shaft (40), and a rear bearing (50) for supporting the rotor shaft in the motor housing at a rear side of the rotor; and a strain wave gearing (60) including a circular spline (70) secured to the motor housing, a flex spline (80) engaging the circular spline, a wave generator (90) engaging the flex spline and secured to a drive end (42) of the rotor shaft, and a wave generator bearing between the circular spline and the wave generator. According to the invention, the wave generator bearing (100) serves as an exclusive drive end bearing for supporting the rotor shaft (40) in the motor housing (20) at a front side of the rotor (30).

IPC 8 full level

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