

Title (en)
SIMPLIFIED GEARBOX MECHANISM

Title (de)
VEREINFACHTER GETRIEBEMECHANISMUS

Title (fr)
MÉCANISME SIMPLIFIÉ DE BOÎTE DE VITESSES

Publication
EP 3841315 A4 20220518 (EN)

Application
EP 18930954 A 20180827

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Abstract (en)
[origin: WO2020040793A1] The improved gearbox mechanism of the present invention includes a plurality of cam-actuated simplified gear block assemblies, which transfer power from a power shaft to a secondary or output gear element. Each gear block assembly includes a gear block having a surface that periodically interfaces with a secondary or output gear element. In a preferred embodiment the interface surface comprises a plurality of projections or teeth which correspond to complementary projections or gear teeth on the output gear element. Each gear block assembly further includes a gear block, a torque lever arm, cam followers and/or a socket, which connect or link the gear block to a cam assembly, which in turn is connected to a power source. The cam assembly includes about its circumference a unique pathway or groove for each linkage assembly of a particular gear block assembly so that the movement of the gear block may be controlled in two dimensions in accordance with a certain design parameter.

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• No further relevant documents disclosed
• See references of WO 2020040793A1

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