

Title (en)
GEAR MECHANISM FOR ROTATIONAL DIRECTION REVERSAL

Title (de)
GETRIEBE ZUR DREHRICHTUNGSUMSCHALTUNG

Title (fr)
MÉCANISME D'INVERSION DU SENS DE ROTATION

Publication
EP 3014144 A1 20160504 (DE)

Application
EP 14730526 A 20140613

Priority
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• EP 2014062473 W 20140613

Abstract (en)
[origin: WO2014206776A1] A gear mechanism (1) having a coaxial input and output is proposed, having at least two bevel gears (3, 4) which lie opposite one another and are supported in each case by a shaft (10, 11). Here, the shafts (10, 11) are configured as hollow shafts. A first transmission of the rotational direction of one bevel gear (3) to the opposite bevel gear (4) takes place via a further bevel gear (5) which can mesh with the two bevel gears (3, 4). The gear mechanism (1) has a rotational direction reversal means (2). The latter consists of an intermediate part (6) which is integrated between the two bevel gears which lie opposite one another and receives the lower bevel gear (5), and a block (7) which locks or releases the intermediate part (6). An inner shaft (8) is in turn mounted displaceably in the shafts (10, 11) and in the intermediate piece (6). The block (7) is connected functionally to the inner shaft (8) in such a way that displacement of the inner shaft (8) brings about displacement of the block (7).

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