

Title (en)

MULTI-SPEED MANUAL TRANSMISSION FOR AN ELECTRICALLY DRIVEN TWO-WHEELER AND TWO-WHEELER

Title (de)

SCHALTBARES MEHRGANGGETRIEBE FÜR EIN ELEKTRISCH BETRIEBENES ZWEIRAD SOWIE ZWEIRAD

Title (fr)

TRANSMISSION COMMUTABLE À PLUSIEURS VITESSES POUR DEUX-ROUES ENTRAÎNÉ ÉLECTRIQUEMENT AINSI QUE DEUX-ROUES

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Application

EP 14716539 A 20140403

Priority

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Abstract (en)

[origin: WO2014170135A1] The invention relates to a shifting arrangement (11) for a drive wheel (3) of a two-wheeler, comprising: - a first planet gearing (20) having a first sun gear (21), first planet gears (22) and a first ring gear (23), the first sun gear (21) being coupled to the first ring gear (23) via the first planet gears (22); - a second planet gearing (30) having a second sun gear (31), second planet gears (32) and a second ring gear (33), the second sun gear (31) being coupled to the second ring gear (33) via the second planet gears (32); - a motor shaft (15), which is rigidly connected to the second sun wheel (31); - an output shaft (12), which is rigidly connected to the first and the second planet gears (22, 32) so that an orbiting motion of the planet gears (22, 32) about the corresponding sun gear (21, 31) is transmitted onto the output shaft (12); and - a freewheeling mechanism (24) via which the motor shaft (15) is connected to the first sun gear (21) in order to transmit torque in a first direction of rotation and to allow freewheeling in an opposite second direction of rotation.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2014170135A1

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