

Title (en)

GEAR SYSTEM, PEDAL CYCLE, AND METHOD OF RETROFITTING GEAR SYSTEM

Title (de)

GETRIEBESYSTEM, PEDALFAHRRAD UND VERFAHREN ZUM NACHRÜSTEN EINES GETRIEBESYSTEMS

Title (fr)

SYSTÈME D'ENGRENAGE, BICYCLETTE À PÉDALES ET PROCÉDÉ DE RATTRAPAGE DE SYSTÈME D'ENGRENAGE

Publication

**EP 4247699 A1 20230927 (EN)**

Application

**EP 21839852 A 20211214**

Priority

- GB 202019856 A 20201216
- EP 2021085656 W 20211214

Abstract (en)

[origin: WO2022129026A1] There is provided a gear system (100) for a pedal cycle (150). The gear system (100) comprises an epicyclic gear set (102) having a sun gear (104), one or more planet gears (106) meshed with the sun gear (104), and a ring gear (112) meshed with the one or more planet gears (106). Each of the planet gears (106) is connected to a planet carrier (110). The sun gear (104) has a connecting portion (118) for connecting to a component (122) of the pedal cycle (150). The gear (100) system comprises a control arrangement that is arranged to control a speed of rotation of the ring gear (112), so as to provide a variable gear ratio to the gear (100) system.

IPC 8 full level

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CPC (source: EP GB)

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