

Title (en)

BICYCLE BOTTOM BRACKET TRANSMISSION WITH CLUTCH DEVICES WHICH ARE COUPLED TOGETHER

Title (de)

FAHRRADTRETLAGERGETRIEBE MIT MITEINANDER GEKOPPELTEN KUPPLUNGSVORRICHTUNGEN

Title (fr)

TRANSMISSION DE JEU DE PÉDALIER DE BICYCLETTE AVEC DISPOSITIFS D'EMBRAYAGE COUPLÉS ENSEMBLE

Publication

**EP 4323264 A1 20240221 (DE)**

Application

**EP 22718918 A 20220329**

Priority

- DE 102021109207 A 20210413
- EP 2022058191 W 20220329

Abstract (en)

[origin: WO202218683A1] A bicycle bottom bracket transmission (1), having at least one transmission shaft (3, 5, 7) on which gear wheels (27, 34) coupled to one shiftable clutch device (29) each are arranged. The clutch devices can be shifted between an engaged state (31) and a disengaged state (33). In the engaged state, a clutch device connects the gear wheel coupled to it to the respective transmission shaft (3, 5, 7) for conjoint rotation in at least one direction of rotation of the respective transmission shaft, and, in the disengaged state of the clutch device, the gear wheel is freely rotatable in relation to the respective transmission shaft. At least one shifting device (35, 37) is provided for shifting the clutch devices of a transmission shaft. Each transmission shaft, on which gear wheels coupled to one shiftable clutch device each are arranged, is assigned another shifting device here. Each shifting device has at least two shifting positions (39, 41, 101) and can be transferred from one of the shifting positions into another of the shifting positions by means of a shifting movement (38, 45). Each of the shifting positions of a shifting device corresponds to a different combination of the engaged and disengaged states of the clutch devices of the transmission shaft assigned to it. During each shifting movement, at least one of the clutch devices arranged on the transmission shaft assigned to a shifting device is engaged.

IPC 8 full level

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