Title (en)

LATERAL DRIVE UNIT FOR ROTARY CULTIVATORS

Title (de)

SEITENANTRIEBSVORRICHTUNG FÜR KREISELKULTIVATOR

Title (fr)

GROUPE DE TRANSMISSION LATERAL POUR CULTIVATEUR ROTATIF

Publication

EP 1209961 A2 20020605 (EN)

Application

EP 01906115 A 20010207

Priority

- IT 0100055 W 20010207
- IT PD20000040 A 20000211

Abstract (en)

[origin: WO0158243A2] The invention is a new lateral drive unit to be applied to agricultural machines, comprising four gearwheels meshing mutually in pairs, and wherein the first gearwheel receives motion from the horizontal shaft connected to the reduction gear operated by the power takeoff of the agricultural machine and transmits it to the second, bigger gearwheel with which it meshes, said second gearwheel being connected, through a common shaft, to the third, smaller gearwheel, said third gearwheel meshing with and transmitting motion to the fourth, bigger gearwheel, which in turn is connected to the knife-carrying shaft. Due to the diameters of the various gearwheels and to the reduction ratios of the various gears, the ratio between the motion received from the power takeoff of the agricultural machine and the final motion of the rotary cultivator shaft improves the efficiency of the cardan shaft.

[origin: WO0158243A2] The invention is a new lateral drive unit (C) to be applied to agricultural machines, comprising four gearwheels meshing mutually in pairs, and wherein the first gearwheel (1) receives motion from the horizontal shaft (E) connected to the reduction gear operated by the power takeoff of the agricultural machine and transmits it to the second, bigger gearwheel (2) with which it meshes, said second gearwheel (2) being connected, through a common shaft (5), to the third, smaller gearwheel (3), said third gearwheel (3) meshing with and transmitting motion to the fourth, bigger gearwheel (4), which in turn is connected to the knife-carrying shaft (b). Due to the diameters of the various gearwheels and to the reduction ratios of the various gears, the ratio between the motion received from the power takeoff of the agricultural machine and the final motion of the rotary cultivator shaft improves the efficiency of the cardan shaft.

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