

Title (en)
DISC CUTTER ASSEMBLY, PARTICULARLY FOR FARMING MACHINES SUCH AS MOWERS, MOWER CONDITIONERS OR THE LIKE, WITH HIGH SAFETY OF OPERATION

Title (de)
PLATTENSCHNEIDERANORDNUNG, IM BESONDEREN FÜR LANDWIRTSCHAFTLICHE MASCHINEN WIE MÄHER, MÄHAUFBEREITER ODER DERGLEICHEN MIT HOHER BETRIEBSSICHERHEIT

Title (fr)
ENSEMBLE MOLETTE DE COUPE, EN PARTICULIER DESTINÉ À DES MACHINES AGRICOLES TELLES QUE DES FAUCHEUSES, DES FAUCHEUSES-CONDITIONNEUSES OU SIMILAIRE, DOTÉ D'UNE SÉCURITÉ DE FONCTIONNEMENT ÉLEVÉE

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Abstract (en)
[origin: WO2012034872A1] A disc cutter assembly, particularly for farming machines such as mowers, mower conditioners or the like, with high safety of operation comprising a supporting bar (2) which supports, so that it can rotate about corresponding axes (3) which are substantially mutually parallel, a plurality of shafts (4), which protrude from one side of the supporting bar (2), each one supporting a disc (5) provided with at least one cutting blade (6a, 6b), each one of the shafts (4) being connected to a kinematic transmission (8), which is accommodated in the supporting bar (2) and mutually connects the several shafts (4) in rotation about the respective axes (3), at least some of the shafts (4) being connected to the corresponding disc (5) by means of a first flange (21), which lies around the corresponding shaft (4) and is jointly connected thereto in rotation about its own axis (3), and by means of a second flange (22), which faces the first flange (21) and is jointly connected to the corresponding disc (5) in rotation about the axis (3) of the corresponding shaft (4), the second flange (22) being supported so that it can rotate about the axis (3) with respect to the corresponding shaft (4), the first flange (21) and the second flange (22) being connected in rotation about the axis (3) by means of at least one bolt (23 a, 23b) which is spaced from the axis (3) and can be sheared if the torque transmitted from the first flange (21) to the second flange (22) exceeds a certain value, in order to disengage the disc (5) from the corresponding shaft (4) in rotation about the axis (3).

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