

Title (en)
Wood chipping machine with peripheral sieving and disintegration device

Title (de)
Holzhackmaschine mit peripherer Sieb- und Desintegrationsvorrichtung

Title (fr)
Machine de hachoir à bois avec tamis périphérique et dispositif de désagrégation

Publication
EP 2650050 B1 20160601 (EN)

Application
EP 13162484 A 20130405

Priority
DK PA201270177 A 20120410

Abstract (en)
[origin: EP2650050A1] A wood chipping machine (1) for disintegrating material (10) is disclosed. The wood chipping machine (1) comprises a disk housing (4) having an ejection opening (20), a rotor (41), arranged in the disk housing (4) to be rotatable about its central axis, the rotor (41) comprising a cutter disk (15) having one or more cutter knives (16) arranged with their cutting edges in a substantially radial plane of the cutter disk (15). The wood chipping machine (1) further comprises a peripheral sieving and disintegration device (29, 30, 32-35, 39) including one or more fixed parts that are stationary with respect to the disk housing (4), and one or more rotating parts that are arranged to rotate with the rotor during operation of the wood chipping machine (1), the rotating parts and the fixed parts of the peripheral sieving and disintegration device (29, 30, 32-35, 39) being arranged to interact with each other to sieve and disintegrate material passing in a radial direction towards the periphery of the disk housing (4) without passing through the chip slots (22) in the cutter disk (15) to the back side of the cutter disk during operation of the wood chipping machine. The sieving device (29) extends along less than the full perimeter of the cutter disk (15), and the peripheral sieving and disintegration device (29, 30, 32-35, 39) further comprises a cover plate (30) extending along at least a part of the perimeter of the cutter disk (15), where the sieving device (29) does not extend, and in a substantially radial direction in close proximity with the back side of the cutter disk (15), said cover plate (30) extending within the outer perimeter of the cutter disk (15).

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Citation (examination)
• EP 2047911 A1 20090415 - PC MASKINER APS [DK]
• US 818725 A 19060424 - WILLIAMS MILTON F [US]
• DE 102005062385 A1 20070628 - OTTO MARTIN MASCHB GMBH & CO K [DE]

Cited by
CN104741203A; US11752505B2

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