

Title (en)
SHREDDER FOR BIOMASS MATERIAL

Title (de)
ZERKLEINERER FÜR BIOMASSEMATERIAL

Title (fr)
DÉCHIQUEUSE DE MATIÈRE DE BIOMASSE

Publication
EP 3165285 A1 20170510 (EN)

Application
EP 16197480 A 20161107

Priority
CA 2911800 A 20151106

Abstract (en)
A shredder (1) for biomass material comprises a single rotary member or two spaced rotary members (10, 11) supported in a housing (12) having a cylindrical wall (20) with a plurality of outward shear members (21, 22) spaced longitudinally and radially of the cylindrical wall (20) so as to pass a cooperating element (27, 28, 41, 42, 185, 196) in a shearing action. The shear members (21, 22) form ends of a support plate extending diametrically through the wall (20) so as to provide structural support. Typically in the two drum system, a top grate member (27, 28) is mounted in the feed throat and a bottom grate member (41, 42) is provided underneath the plane of closest approach. Each of these grate members provide shearing actions with the shear members (21, 22). The housing beneath the at least one rotary member (10, 11) may include apertures (56) which selectively allow passage of the biomass material to an outlet of the shredder after shearing actions performed thereon.

IPC 8 full level
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CPC (source: EP)
B02C 18/0084 (2013.01); **B02C 18/142** (2013.01); **B02C 18/145** (2013.01); **B02C 18/18** (2013.01); **B02C 2018/188** (2013.01); **B02C 2201/066** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
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