

Title (en)

Round undulating blade and blade module for shredder

Title (de)

Rundes wellenförmiges Messer und Messerbaugruppe für Schredder

Title (fr)

Couteau rond ondulatoire et module de couteau pour destructeur de documents

Publication

EP 1533039 B1 20061011 (EN)

Application

EP 04257244 A 20041123

Priority

CN 200320104395 U 20031124

Abstract (en)

[origin: EP1533039A2] The present invention relates to a round undulating blade for shredder, where a sheet metal is integrally formed into a round undulating blade to serve as the blades for constructing a blade module. The blade includes: a periphery; an undulating blade flank including at least two cambers having a first curvature and at least two cambers having a second curvature alternatively arranged with respect to the cambers having the first curvature; and hooked edges formed on the periphery of the cambers having the first curvature, wherein the undulating blade flank of the blade serves to cut paper along a longitudinal direction to form paper strips having double-tapering end, and the hooked edges serve to cut the strips along a horizontal direction into paper chips. These characteristics help to reduce the manufacturing cost, reduce the motor load and power consumption, to thereby enhance the market competitiveness. <IMAGE>

IPC 8 full level

B02C 18/00 (2006.01); **B02C 18/14** (2006.01); **B02C 18/18** (2006.01)

CPC (source: EP)

B02C 18/0007 (2013.01); **B02C 18/146** (2013.01); **B02C 18/182** (2013.01)

Cited by

EP1658899A1; EP3278968A1; GB2435840A; GB2435840B

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1533039 A2 20050525; **EP 1533039 A3 20051005**; **EP 1533039 B1 20061011**; CN 2673503 Y 20050126; DE 602004002747 D1 20061123; DE 602004002747 T2 20070830

DOCDB simple family (application)

EP 04257244 A 20041123; CN 200320104395 U 20031124; DE 602004002747 T 20041123