

Title (en)  
SHREDDING DEVICE FOR SHREDDING MATERIAL

Title (de)  
ZERKLEINERUNGSVORRICHTUNG ZUM ZERKLEINERN VON MATERIAL

Title (fr)  
DISPOSITIF DE BROYAGE PERMETTANT LE BROYAGE DE MATÉRIAU

Publication  
**EP 3446786 A1 20190227 (DE)**

Application  
**EP 17187514 A 20170823**

Priority  
EP 17187514 A 20170823

Abstract (en)  
[origin: CA3073630A1] The invention relates to a shredder device (1) for shredding material, in particular recyclable materials, waste wood and data storage devices, comprising a machine frame (2), at least one shredder rotor (3), which is rotatably mounted on the machine frame (2), and at least one feed device (4), by means of which the material to be shredded can be conveyed to the at least one shredder rotor (3), wherein at least one measurement apparatus (7, 8, 9) is provided for continuous detection of the position of the at least one feed device (4), a controller (10) is provided, at least for controlling and/or regulating the movement of the at least one feed device (4), and a signal transmission device (11) is provided, by means of which measurement signals generated by the at least one measurement apparatus (7, 8, 9) can be supplied to the controller (10).

Abstract (de)  
Zerkleinerungsvorrichtung (1) zum Zerkleinern von Material, insbesondere von Wertstoffen, Restholz und Datenträgern, umfassend ein Maschinengestell (2), wenigstens einen am Maschinengestell (2) drehbar gelagerten Zerkleinerungsrotor (3) und wenigstens eine Zuführvorrichtung (4), mit welcher das zu zerkleinernde Material zum wenigstens einen Zerkleinerungsrotor (3) beförderbar ist, wobei wenigstens eine Messeinrichtung (7, 8, 9) zur kontinuierlichen Erfassung der Position der wenigstens einen Zuführvorrichtung (4), eine Steuer- und/oder Regelvorrichtung (10) zumindest zur Steuerung und/oder Regelung der Bewegung der wenigstens einen Zuführvorrichtung (4) und eine Signalübertragungsvorrichtung (11) vorgesehen ist, über welche von der wenigstens einen Messeinrichtung (7, 8, 9) generierte Messsignale der Steuer- und/oder Regelvorrichtung (10) zuführbar sind.

IPC 8 full level  
**B02C 18/22** (2006.01); **B02C 23/02** (2006.01); **B02C 25/00** (2006.01)

CPC (source: EP US)  
**B02C 18/14** (2013.01 - US); **B02C 18/2233** (2013.01 - EP US); **B02C 23/02** (2013.01 - EP); **B02C 25/00** (2013.01 - EP US); **B02C 2018/164** (2013.01 - US); **B02C 2201/06** (2013.01 - US)

Citation (search report)

- [XY] DE 202012004224 U1 20120516 - ATM RECYCLINGSYSTEMS GMBH [AT]
- [A] US 4423844 A 19840103 - SOURS WILLIAM A [US], et al
- [YA] US 6016979 A 20000125 - SQUIRES DEREK MURRAY [GB], et al

Cited by  
CN112387340A; CN113546717A; DE102020114510B3; EP3919178A1; US11986832B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3446786 A1 20190227**; **EP 3446786 B1 20191016**; CA 3073630 A1 20190228; CA 3073630 C 20220712; DK 3446786 T3 20200127; ES 2767682 T3 20200618; PL 3446786 T3 20200518; PT 3446786 T 20200122; SI 3446786 T1 20200331; US 11446676 B2 20220920; US 2020179938 A1 20200611; WO 2019038227 A1 20190228

DOCDB simple family (application)  
**EP 17187514 A 20170823**; CA 3073630 A 20180820; DK 17187514 T 20170823; EP 2018072422 W 20180820; ES 17187514 T 20170823; PL 17187514 T 20170823; PT 17187514 T 20170823; SI 201730166 T 20170823; US 202016794352 A 20200219