

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.

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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

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