

Title (en)
SHREDDER BIN-FULL DEVICE

Title (de)
VORRICHTUNG ZUR ERKENNUNG VON VOLLEM BEHÄLTER EINER ZERKLEINERUNGSMASCHINE

Title (fr)
DISPOSITIF D'ÉTAT PLEIN DE BAC DE DÉCHIQUETAGE

Publication
EP 3687695 A4 20210630 (EN)

Application
EP 18870244 A 20180927

Priority
• US 201715717576 A 20170927
• US 2018053224 W 20180927

Abstract (en)
[origin: WO2019083678A1] A paper shredder bin-full sensor with a push bar, a conductive element coupled to the push bar, a sensing contact assembly normally set apart from the conductive element, and a signaling contact coupled to the sensing contact assembly. Sensor includes a push bar sweeper between the conductive element and the push bar, and a biasing element coupled to the push bar sweeper, the biasing element elastically resists the shredded material force. A predetermined shredded material force presses the push bar, causing the conductive element to couple to the sensing contact assembly, in turn causing a waste bin-full signal to emanate. Push bar can be articulated and non-articulated. Articulated push bars include upper and lower push bars, and respective tensioning element connecting the respective upper and lower push bars. Lower push bar is extended from upper push bar. Paper shredder can have articulated or non-articulated push bars.

IPC 8 full level
B02C 18/16 (2006.01); **B02C 18/00** (2006.01); **B02C 18/22** (2006.01); **G01F 23/16** (2006.01)

CPC (source: EP)
B02C 18/0007 (2013.01); **B02C 18/16** (2013.01); **B02C 18/2216** (2013.01); **B02C 2018/0023** (2013.01)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2019083678A1

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

DOCDB simple family (publication)
WO 2019083678 A1 20190502; **WO 2019083678 A8 20200514**; CN 111405944 A 20200710; CN 111405944 B 20220419; EP 3687695 A1 20200805; EP 3687695 A4 20210630; JP 2020537593 A 20201224; JP 6987258 B2 20211222

DOCDB simple family (application)
US 2018053224 W 20180927; CN 201880062849 A 20180927; EP 18870244 A 20180927; JP 2020540235 A 20180927