

Title (en)
Multipurpose shredding machine

Title (de)
Mehrzweck Dokumentenvernichter

Title (fr)
Déchiqueteur de documents à usages multiples

Publication
EP 1449589 A1 20040825 (EN)

Application
EP 03003704 A 20030218

Priority
EP 03003704 A 20030218

Abstract (en)
This invention is related to a dual-functional medium shredding machine structure (10), specifically designed for shredding or destroying paper printed with data to be destroyed, optical discs containing data to be destroyed, or expired credit cards. This invention mainly implements a pair of shredding roller blades (18) with sharp teeth as shredding means, and is characterized by providing separate feeding inports, including a paper inport (14) for feeding paper in an inclined orientation, and a disc inport (15) for feeding discs in a vertical orientation, wherein the inports are each led to the same shredding roller blades such that, regardless of the type of substance being fed by the user, the paper or the discs can both be shredded by the shredding roller blades, and the shredded scraps are dispensed to separate collectors (22,21) through an identical exit (19) by means of an auto-revolving switch plate (20), and a touch switch (16,17) at each of the inports such that, while feeding the paper or the discs, the touch switch activates the shredding roller blades to perform shredding task, and drives the switch plate so as to dispense shredded scraps of different substance into different collectors. <IMAGE>

IPC 1-7
B02C 18/40; **B02C 18/44**; **B02C 18/00**; **B02C 18/14**; **B02C 23/10**; **B02C 18/22**

IPC 8 full level
B02C 18/00 (2006.01); **B02C 18/14** (2006.01); **B02C 18/22** (2006.01); **B02C 23/10** (2006.01)

CPC (source: EP)
B02C 18/0007 (2013.01); **B02C 18/142** (2013.01); **B02C 18/148** (2013.01); **B02C 18/22** (2013.01); **B02C 23/10** (2013.01);
B02C 2018/0015 (2013.01); **B02C 2018/0023** (2013.01)

Citation (search report)
• [X] EP 1127621 A2 20010829 - SCHLEICHER & CO [DE]
• [YA] GB 2171029 A 19860820 - ZETTLER ELEKTROTECHN ALOIS
• [XY] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12 25 December 1997 (1997-12-25)

Cited by
CN112295692A; CN112547252A; CN102527481A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1449589 A1 20040825

DOCDB simple family (application)
EP 03003704 A 20030218