



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 397 158 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **90108791.6**

(51) Int. Cl.⁵: **B30B 9/32**

(22) Date of filing: **10.05.90**

(30) Priority: **11.05.89 IT 2045289**
29.11.89 IT 2253489

(43) Date of publication of application:
14.11.90 Bulletin 90/46

(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

(88) Date of deferred publication of the search report:
14.08.91 Bulletin 91/33

(71) Applicant: **VENEZIANI Carlo, CAPPA Alberto, CHERUBINI Bruno**, trading under the trading style, IMEC di Veneziani Carlo & C. S.n.c.
Via I Maggio, 7
I-25085 Gavardo, Brescia(IT)

(72) Inventor: **Cappa, Alberto**
Via Michelangelo 9
I-25086 Rezzato (Province of Brescia)(IT)

(74) Representative: **Modiano, Guido et al MODIANO, JOSIF, PISANTY & STAUB**
Modiano & Associati Via Meravigli, 16
I-20123 Milano(IT)

(54) **Machine for crushing cans, tins and similar containers, with separate collection of aluminum ones from white-latten ones.**

(57) Can-crushing machine for collecting aluminum cans separately from white-latten ones, constituted by a box-like containment and supporting body (1,101) at the top of which a rotor (6) with a horizontal axis is rotatably mounted; the rotor is externally provided with means (7a, 7b, 7c, 7d) for the engaging of a can; a vertical contrast plate (11) is arranged tangent to the rotor so as to allow each can, fed by gravity by loading means (15), to be engaged and then crushed between the rotor (6) and the plate (11) until it is flattened and allowed to fall vertically in a tangent direction toward rotating means (19) provided with magnetized cores adapted to retain only white-latten flattened cans, allowing aluminum ones to fall freely into a underlying container (24), the white-latten cans being then dragged until they are against a fixed stop (21) element capable of making them fall into an other container (23).

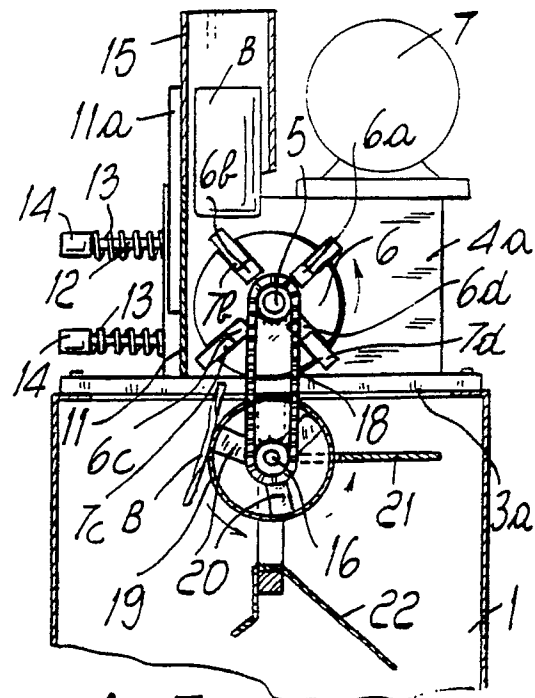


Fig. 7

EP 0 397 158 A3



European
Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 10 8791

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	US-A-4 358 995 (BALLO ET AL.) * the whole document * - - - -	1-4,10-12	B 30 B 9/32
Y	US-A-4 369 699 (DAILEY) * the whole document * - - - -	9,13-17	
Y,A	US-A-4 373 435 (GREVICH) * claims; figures * - - - -	1-4,9-17, 7	
A	GB-A-4 162 87 (BATCHELOR, ROBINSON & CO.) * claims; figures * - - - -	1-2	
A	DE-C-3 536 547 (SCHÖRLING GMBH) * claims * - - - -	8	
A	PATENT ABSTRACTS OF JAPAN vol. 12, no. 305 (M-733)August 19, 1988 & JP-A-63 081 000 (KENZO SUZUKI) April 11, 1988 * the whole document * - - - - -	13-16	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 30 B B 03 C B 02 C
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		13 June 91	VOUTSADOPOULOS C.
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date	
Y: particularly relevant if combined with another document of the same category		D: document cited in the application	
A: technological background		L: document cited for other reasons	
O: non-written disclosure		&: member of the same patent family, corresponding document	
P: intermediate document			
T: theory or principle underlying the invention			