

Title (en)  
REFUSE COMPRESSION CHAMBER

Title (de)  
VERDICHTUNGSRAUM FÜR MÜLL

Title (fr)  
CHAMBRE DE COMPACTAGE DE DECHETS

Publication  
**EP 0642457 B1 19970702 (EN)**

Application  
**EP 93916122 A 19930722**

Priority  
• GR 9300013 W 19930722  
• GR 93100074 A 19930302

Abstract (en)  
[origin: WO9420391A1] This device consists of a chamber (1) standing at a certain height and supported by four legs (4). The chamber (1) has a window (2), through which the refuse is thrown. A type of press is installed at the top of the chamber (1), and the piston (5) of this press extends a prescribed distance, exerting pressure on the refuse by means of a compression plate (6), when the refuse accumulates to a level above the lowest point of the piston's extension. As the rubbish continues to accumulate it is further compressed, until the resistance opposed to the compression plate (6) exceeds the pressure exerted on the rubbish. The piston (5) then returns to its initial position, without having reached maximum extension. When the compressed refuse reaches a certain upper limit, which is determined visually through the window, then the bottom (3) of the chamber (1) is opened, and the compact block of refuse is collected and hermetically sealed in a sturdy plastic bag. The bottom opening is then closed, and the apparatus is once again ready for use.

IPC 1-7  
**B65F 1/14**; **B30B 9/30**

IPC 8 full level  
**B30B 9/30** (2006.01); **B65F 1/14** (2006.01)

CPC (source: EP)  
**B30B 9/3003** (2013.01); **B30B 9/3032** (2013.01)

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI NL PT SE

DOCDB simple family (publication)  
**WO 9420391 A1 19940915**; AT E154918 T1 19970715; AU 4580693 A 19940926; DE 69311903 D1 19970807; EP 0642457 A1 19950315; EP 0642457 B1 19970702

DOCDB simple family (application)  
**GR 9300013 W 19930722**; AT 93916122 T 19930722; AU 4580693 A 19930722; DE 69311903 T 19930722; EP 93916122 A 19930722