

Title (en)  
Separator for industrial waste

Title (de)  
Abscheider für industriellen Abfall

Title (fr)  
Séparateur pour déchets industriels

Publication  
**EP 0870550 A2 19981014 (EN)**

Application  
**EP 98105192 A 19980323**

Priority  
SE 9701259 A 19970407

Abstract (en)  
The present invention relates to a ballistic waste separator. The separator includes an inclining shaker table with at least four screen elements (1). The material mix which is to be separated is released onto the screen elements (1). These execute a rotational movement with an amplitude and at a speed which result in hard material bouncing on the elements (1) and being discharged at the lower end (6) while soft and flexible material which does not bounce against the shaker table migrates upwards and is discharged at the upper end (5). The screen elements (1) are driven by a drive motor (10) via crankshaft arrangements as a synchronous unit in such a manner that every second element assumes the highest and lowest position simultaneously. Each crankshaft arrangement includes two crankshafts (12) interconnected via an intermediate shaft (13) and a transmission (14). Each crankshaft (12) does not support more than two or three screen elements (1). <IMAGE>

IPC 1-7  
**B07B 13/00**

IPC 8 full level  
**B07B 13/00** (2006.01); **B07B 13/11** (2006.01)

CPC (source: EP)  
**B07B 13/003** (2013.01); **B07B 13/113** (2013.01)

Cited by  
CN110586464A; WO2017162541A1

Designated contracting state (EPC)  
AT BE CH DE DK FI GB GR IT LI NL SE

DOCDB simple family (publication)  
**EP 0870550 A2 19981014**; **EP 0870550 A3 19981125**; **EP 0870550 B1 20030813**; AT E246967 T1 20030815; AU 7088198 A 19981030; DE 69817056 D1 20030918; SE 513451 C2 20000918; SE 9701259 D0 19970407; SE 9701259 L 19981008; WO 9845056 A1 19981015

DOCDB simple family (application)  
**EP 98105192 A 19980323**; AT 98105192 T 19980323; AU 7088198 A 19980320; DE 69817056 T 19980323; SE 9701259 A 19970407; SE 9800501 W 19980320