

Title (en)  
Selective vibrating separator

Title (de)  
Selektives Vibrationstrennsieb

Title (fr)  
Séparateur sélectif vibrant

Publication  
**EP 0867234 B1 20020717 (FR)**

Application  
**EP 97440027 A 19970325**

Priority  
EP 97440027 A 19970325

Abstract (en)  
[origin: EP0867234A1] Selective vibrating separator comprises a box (1) to which a unidirectional vibration is applied. The box (1) includes a sorting system made up of some troughs (5) following one another linearly, fed at one end by some formed elements with material of differing nature occurring in the separated state or the agglomerated state, destined to displace itself on the troughs (5). The sorting of the elements is realised by the combination between: (a) the angle (  $\alpha$  ), the amplitude and the frequency (  $\eta$  ) of the vibrations communicated to the troughs (5) via the vibrating box (1); and (b) the configuration and the relative positioning of the troughs (5).

IPC 1-7  
**B07B 1/12**; **B22D 29/02**

IPC 8 full level  
**B07B 1/12** (2006.01); **B07B 1/46** (2006.01); **B07B 13/11** (2006.01); **B22D 29/02** (2006.01)

CPC (source: EP)  
**B07B 1/12** (2013.01); **B07B 1/46** (2013.01); **B07B 13/113** (2013.01); **B22D 29/02** (2013.01)

Cited by  
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**EP 0867234 A1 19980930**; **EP 0867234 B1 20020717**; DE 69714008 D1 20020822

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