

Title (en)  
Vibrator for screening device

Title (de)  
Schwingungsantrieb für eine Siebmaschine

Title (fr)  
Vibrateur pour dispositif de tamisage

Publication  
**EP 0823291 B1 20051109 (DE)**

Application  
**EP 97113308 A 19970801**

Priority  
DE 19631849 A 19960807

Abstract (en)  
[origin: US5984107A] A vibratory drive for use with a screening machine for draining and/or sizing of grain solids, the drive having two eccentric shafts which are driven synchronously and in counterrotation and which have different unbalanced masses 7, 8. The eccentric shafts are arranged as near as possible to the mass center 16 of the screening machine. The angle of the mass forces of the unbalanced masses 7, 8 of the eccentric shafts includes an angle of 60 DEG to 90 DEG , preferably 90 DEG , between the main direction of oscillation 18, i.e., the long axis 19 of the ellipse oscillation as a resultant of the centrifugal forces, and the zero line 17, i.e., the tie line of the eccentric shafts.

IPC 1-7  
**B07B 1/42**; **B06B 1/16**

IPC 8 full level  
**B06B 1/16** (2006.01); **B07B 1/42** (2006.01)

CPC (source: EP US)  
**B06B 1/166** (2013.01 - EP US); **B07B 1/42** (2013.01 - EP US)

Cited by  
DE102015104041A1; CN103121008A; CN103769365A; DE102015104041B4

Designated contracting state (EPC)  
AT DE ES FI FR GB IT SE

DOCDB simple family (publication)  
**US 5984107 A 19991116**; AT E309055 T1 20051115; AU 3246897 A 19980212; AU 719552 B2 20000511; DE 19631849 C1 19980108; DE 59712474 D1 20051215; EP 0823291 A2 19980211; EP 0823291 A3 19990113; EP 0823291 B1 20051109

DOCDB simple family (application)  
**US 90693197 A 19970806**; AT 97113308 T 19970801; AU 3246897 A 19970804; DE 19631849 A 19960807; DE 59712474 T 19970801; EP 97113308 A 19970801