

Title (en)
SEPARATING APPARATUS

Publication
EP 0264641 A3 19890426 (EN)

Application
EP 87113754 A 19870921

Priority
GB 8623052 A 19860925

Abstract (en)
[origin: EP0264641A2] An apparatus for separating bird seed from lighter waste material such as chaff and feathers wherein a flow of air is drawn through the apparatus and the mixture is introduced into the air flow which carries away the lighter chaff and feathers, but the heavier seed and whole grain is not and is therefore separated. The air flow carrying the lighter material is caused to pass round a sharp corner defined by the edge of a partition plate (24) contained in a separation chamber. The lighter material does not pass round the sharp corner, and the lighter material drops into a collection drawer. The mixture is fed into the top of a downwardly directed feed chute (32) and from the bottom of the feed chute the mixture passes into the air flow in the upwardly extending lift channel (34), the bottom of which is open to allow air to be drawn in and the heavier material to drop out.

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B07B 4/02; **B07B 7/02**

IPC 8 full level
B07B 4/02 (2006.01); **B07B 7/02** (2006.01)

CPC (source: EP)
B07B 4/02 (2013.01); **B07B 7/02** (2013.01)

Citation (search report)

- [X] DE 563273 C 19321103 - IVOR LLOYD BRAMWELL, et al
- [X] GB 967140 A 19640819 - GUSTAV SPOHR
- [X] GB 1584957 A 19810218 - HAINES D
- [X] FR 400326 A 19090724 - ES [FR]
- [X] CH 504245 A 19710315 - BUEHLER AG GEB [CH]

Cited by
CN106000879A; CN115178466A; WO9400248A1

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

DOCDB simple family (publication)
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