

Title (en)  
Separating apparatus.

Title (de)  
Trennvorrichtung.

Title (fr)  
Dispositif séparateur.

Publication  
**EP 0264641 A2 19880427 (EN)**

Application  
**EP 87113754 A 19870921**

Priority  
GB 8623052 A 19860925

Abstract (en)  
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.

IPC 1-7  
**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)

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)  
**EP 0264641 A2 19880427**; **EP 0264641 A3 19890426**; GB 8623052 D0 19861029

DOCDB simple family (application)  
**EP 87113754 A 19870921**; GB 8623052 A 19860925