

Title (en)

Method and a device for sorting and dry cleaning wheat.

Title (de)

Verfahren und Vorrichtung zum Sortieren und Trockenreinigen von Weizen.

Title (fr)

Procédé et dispositif pour le tri et le nettoyage à sec du froment.

Publication

EP 0247237 A2 19871202 (EN)

Application

EP 86117028 A 19861208

Priority

IT 2314485 A 19851209

Abstract (en)

The invention concerns a method comprising the following steps: a) a first step of wheat accumulation and dwell; b) a step of layering the wheat over a first vibrating screen having smaller size holes than the wheat size and being swept by an ascending air stream; c) a step of separating the heavy wheat fraction by passing through a second vibrating screen having larger size holes than the wheat size and being swept by an ascending air stream; d) a second step of wheat light fraction accumulation and dwell which did not go through said vibrating screen during step (c); and e) a step of dropping the wheat from step (d), said dropping being in the form of a thin layer and in countercurrent with respect to an ascending air stream; and a device comprising a loading well, two vibrating screens, a discharge well, and a suction channel. The invention affords large power savings and considerable reduction of the whole wheat cleaning system vertical height.

IPC 1-7

B07B 9/02

IPC 8 full level

B07B 9/00 (2006.01); **B07B 9/02** (2006.01)

CPC (source: EP)

B07B 9/00 (2013.01); **B07B 9/02** (2013.01)

Cited by

CN103341442A

Designated contracting state (EPC)

AT BE DE FR GB LU NL

DOCDB simple family (publication)

EP 0247237 A2 19871202; **EP 0247237 A3 19880622**; IT 1186418 B 19871126; IT 8523144 A0 19851209

DOCDB simple family (application)

EP 86117028 A 19861208; IT 2314485 A 19851209