

Title (en)

Method and apparatus for the treatment of wheat kernels.

Title (de)

Verfahren und Apparat zur Behandlung von Weizenkörnern.

Title (fr)

Procédé et appareil pour le traitement des grains de froment.

Publication

EP 0295774 A2 19881221 (EN)

Application

EP 88303769 A 19880427

Priority

- CA 540462 A 19870624
- US 6406787 A 19870618

Abstract (en)

Significant improvements to the milling of wheat kernels are possible by sequentially removing the bran layers of the kernels prior to processing in general accordance with conventional milling principles. The wheat kernels are preprocessed by means of a number of friction and abrasion operations to peel or strip the various layers of bran from the kernels. A series of friction machines (208,215,218) followed by abrasion machines (224,230) progressively remove the bran layers and separate the same into generally pre-identified bran layer mixtures. Up to about 75% of the bran can be removed with the remaining bran being essentially confined to the kernel crease and removed during the conventional milling operation. Such preprocessed kernels, when milled in the conventional manner, have higher yields due to less bran contamination. This selective removal of the bran layers also facilitates low cost production of speciality bran products or selective reintroduction of bran layers to flour after, or during, further milling.

IPC 1-7

B02B 3/00; **B02B 3/04**

IPC 8 full level

B02B 1/08 (2006.01); **B02B 3/00** (2006.01)

CPC (source: EP)

B02B 1/08 (2013.01); **B02B 3/00** (2013.01)

Cited by

EP0810031A3; US5089282A; US5211343A; US5141764A; US5186968A; AP2146A; US5194287A; EP1450625A4; EP0373274A1; AU619230B2; US5104671A; AU634668B2; US5211982A; GB2428959A; GB2428959B; US8043646B2; WO2018091615A1; WO03080248A1; US7871657B2; US8771777B2; US8808782B2; WO2005063048A1; EP1800541B1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0295774 A2 19881221; **EP 0295774 A3 19891220**; CA 1321525 C 19930824; JP S6418450 A 19890123

DOCDB simple family (application)

EP 88303769 A 19880427; CA 540462 A 19870624; JP 15105088 A 19880617