

Title (en)

Cracking mill and method of cracking hulled material.

Title (de)

Schälmaschine und Verfahren zum Enthülsen von Körnern.

Title (fr)

Moulin décortiqueur et procédé de décortilage de grains.

Publication

EP 0108597 A2 19840516 (EN)

Application

EP 83306645 A 19831101

Priority

US 43923782 A 19821104

Abstract (en)

A hulled material processing apparatus (10) is contained within a single housing (12) and includes a hulled material feeder (16) which introduces hulled material (14) into an upper portion of the housing. At least one pair of cracking rolls (18, 20) is mounted within the housing beneath the feeder for rotation in the housing with their axes of rotation disposed in parallel in a horizontal plane and with their circumferential surfaces disposed for forming a nip through which the hulled material (14) is passed to crush and release the hulls. The hulls and material from which they are separated then fall together from the nip of the cracking rolls through a hull separation zone in which air is passed through the path of travel of the hulls and other material to cause the hulls to be diverted from this path and caught in a duct (28) and removed from the housing while the remainder of the material continues along the path and is caught in a trough (26) in the bottom portion of the housing. The air used to divert the hulls from the normal path of movement from the cracking rolls can be recycled for energy conservation purposes.

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