

Title (en)

Agricultural hammermill and method of fine grinding grain.

Title (de)

Landwirtschaftliche Hammermühle und Verfahren zur Feinmahlung von Getreide.

Title (fr)

Broyeur agricole à marteaux et procédé de broyage fin de céréales.

Publication

EP 0641601 A2 19950308 (EN)

Application

EP 94306501 A 19940902

Priority

US 11659593 A 19930902

Abstract (en)

An agricultural hammermill achieves fine grind at practical production rates. Hammer tip speeds of 7620m/min are provided at 1800 rpm by providing hammers (140) of sufficient length to provide a tip path diameter of approximately 1.37m. In order to avoid excessive centrifugal stresses on the hammer rotor and components, hammers are tapered to reduce tip mass. Because of the high tip speeds, fine grind of feed grains is obtained usually with only a single impact of the hammers. Thus, since it is not necessary to retain the grain in the grinding chamber (150) for multiple hammer impacts, a large apertured screen can be used. <IMAGE>

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