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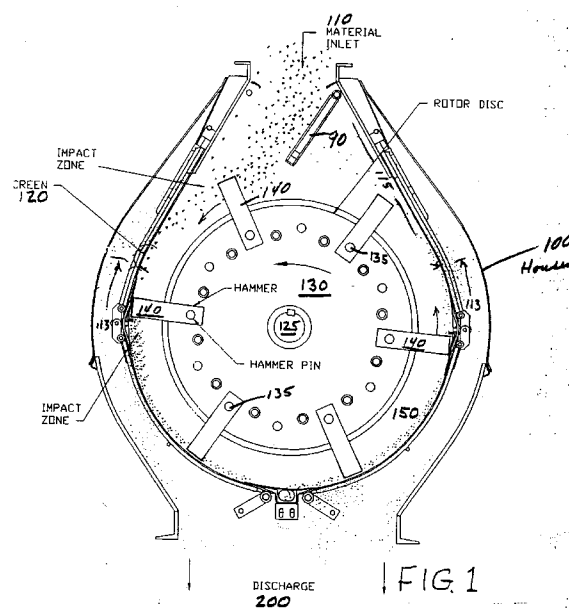
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(54) **Agricultural hammermill and method of fine grinding grain.**

(57) 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.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 6501

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Y	US-A-3 904 134 (R.P. OLSON) * the whole document *	1-4	B02C13/28 B02C13/04
Y	GB-A-2 171 331 (CHRISTY & NORRIS) * the whole document *	1-4	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B02C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 June 1995	Examiner Leitner, J
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