

Title (en)  
IMPACT MILL

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Application  
**EP 84110787 A 19840911**

Priority  
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Abstract (en)  
[origin: EP0136600A2] The invention relates to an impact mill (10) with horizontally mounted rotor (16) which bears beater blades (18) and over which a run-in impact space (20) is located. The grinding path (28) and large parts of the walls surrounding the rotor have a closing armouring (26). Below the run-in a discharge channel (30) runs obliquely upwards. Arranged on an impact space delimitation (25) is a stripper impact surface (36) which can be adjusted towards the rotor. At least from a hollow channel (45) onwards the discharge channel widens to a discharge box (40) with perpendicularly angled impact wall (42). In the lower part, the discharge channel receives a material buffer (50), a floor flap (52) being attached to the lowest point in order to mount the said buffer. In order to set the discharge gap (48), the lower delimitation (32) of the discharge channel can be adjustable, namely swivellable about a joint (62) arranged below the rotor shaft (56). The housing (12) can be seated on a caterpillar gear (64).

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Citation (search report)

- [X] DE 364941 C 19221204 - K B PULVERIZER COMPANY
- [X] US 3887141 A 19750603 - FRANCIS PETER M
- [X] GB 700786 A 19531209 - BELA THOMAS SANDOR
- [Y] US 2031683 A 19360225 - ARMSTRONG WALTER J
- [Y] FR 2270942 A2 19751212 - PENNSYLVANIA CRUSHER CORP [US]
- [Y] FR 2306742 A1 19761105 - HAZEMAG ANDREAS KG [DE], et al
- [Y] AU 408556 B2 19701204
- [Y] US 3964716 A 19760622 - MCCORKLE ALFRED S, et al
- [A] FR 985201 A 19510716
- [A] DE 2419835 A1 19751120 - PENNSYLVANIA CRUSHER CORP
- [A] CH 302235 A 19541015 - HAZEMAG HARTZERKLEINERUNG [DE]
- [A] CH 429393 A 19670131 - WILHELM DIEFENBACHER KG MASCHI [DE]
- [A] US 3187792 A 19650608 - THOMPSON EUGENE D
- [A] DE 1264938 B

Cited by  
CN111632711A; GB2253361A; GB2253361B; CN110369110A; WO2012149888A1

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