

Title (en)
Jaw crusher.

Title (de)
Backenbrecher.

Title (fr)
Broyeur à mâchoires.

Publication
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Application
EP 82111145 A 19821202

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• JP 19788381 A 19811209

Abstract (en)
The jaw crusher according to the present invention comprises a stationary toothed plate disposed nearly vertically and a moving toothed plate oscillated by a motor, which are placed opposite to each other and which define together a crushing chamber of a V-like longitudinal section. In the compression chamber, namely, in the upper space of this crushing chamber, the raw stones are subject to "rubbing action" and further to "crushing action" in the striking chamber, that is, in the lower space of the crushing chamber. Thus, relatively large stones can be crushed to fine particles or pieces. The moving toothed plate of this jaw crusher is installed as slanted about 15 DEG to 25 DEG from the vertical. The toggle plate installed below the swing jaw to which the moving toothed plate is fixed is placed higher on the side of the swing jaw, and lower on the side of toggle sheet block, a maximum compression point being set on the line extending from the toggle plate or in the proximity thereof within the crushing chamber. The moving toothed plate is curved at the portion thereof below the maximum compression point toward the swing jaw. By pivoting the eccentric shaft coupled to the top of the swing jaw, the motion of the moving toothed plate toward the stationary toothed plate can be converted to a motion of striking from above obliquely downward, and the moving toothed plate is moved nearly straight in the oblique direction at the maximum compression point.

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B02C 1/04

IPC 8 full level
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Cited by
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