

Title (en)

Apparatus for and method of obtaining a comminuted product from a solid feed material.

Title (de)

Vorrichtung und Verfahren zur Erzeugung eines zerkleinerten Produktes aus einem festen Ausgangsmaterial.

Title (fr)

Appareil et méthode permettant d'obtenir un produit broyé à partir d'un matériau d'alimentation solide.

Publication

**EP 0140613 A2 19850508 (EN)**

Application

**EP 84306892 A 19841010**

Priority

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Abstract (en)

An apparatus for obtaining a comminuted "fines" product from a solid feed material, a large proportion of the particles of which are greater than 1 cm, comprises a housing having a lower region forming a crusher (10) and an upper region forming a classifier (11). There is an inlet for the solid feed material leading to a hopper (22) from whence feed material passes to a rotor (13) which causes the material to be flung centrifugally outwards in the crushing chamber (23) where it is comminuted. As a result of movement of the rotor, there is a predominantly upward air flow (F) from the crushing chamber (23) to the classifier (11). This air flow entrains a high proportion of "fines" which can be classified, in the classifier (11) using vanes (21), and collected. The apparatus is capable of producing an output product having a very high proportion of "fines" from even very abrasive feed material with particles of a size up to 5 cm.

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Cited by

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