Title (en)

APPARATUS FOR AND METHOD OF OBTAINING A COMMINUTED PRODUCT FROM A SOLID FEED MATERIAL

Publication

EP 0140613 A3 19860430 (EN)

Application

EP 84306892 A 19841010

Priority

GB 8327201 A 19831011

Abstract (en)

[origin: EP0140613A2] 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.

IPC 1-7

B02C 19/00; B02C 23/00

IPC 8 full level

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Citation (search report)

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