Title (en)
GYRATORY CRUSHER

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EP 0306023 B1 19920115 (EN)

Application
EP 88114282 A 19880901

Priority
JP 22085287 A 19870903

Abstract (en)
[origin: EP0306023A1] A gyratory crusher comprising an upper and a lower frame, situated on a base, a hopper mounted on the upper frame, an eccentric sleeve rotatably attached to the lower frame, a main shaft rotatably attached to the sleeve, a mantle mounted on the main shaft and having a first crushing surface formed in a continuation of a straight line or a concavely curved line on which a plurality of undulations successively provided extending from the upper end to the lower end area are downwardly canted, a concave disposed within the upper frame and having a second crushing surface opposing to the first crushing surface, on which a plurality of undulations successively provided extending from the upper end to the lower end area are downwardly canted, being characterized in that the shape of the crushed particles and the crushing speed vary depending on the selection from the combination of the direction of the undulations of the mantle side and those of said concave side. Accordingly, the more acute the angle made by the undulations of the mantle side therebetween inclined in the counterclockwise direction becomes, the less effective the crushing function becomes while on the other hand the crushing speed becomes faster.

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B02C 2/04

IPC 8 full level
B02C 2/04 (2006.01); **B02C 2/00** (2006.01)

CPC (source: EP)
B02C 2/005 (2013.01)

Cited by
EP0567077A3; CN1046012C; AU2014270565B2; EP0506126A1; AU641329B2; GB2537022A; CN108325595A; GB2537022B; US9962708B2; WO2014187713A1

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