

Title (en)  
Crushing member of gyratory crusher.

Title (de)  
Brechwerkzeug eines Kegelbrechers.

Title (fr)  
Élément broyeur pour concasseur giratoire.

Publication  
**EP 0506126 A1 19920930 (EN)**

Application  
**EP 92105382 A 19920327**

Priority  
JP 8784291 A 19910327

Abstract (en)  
A crushing member of a gyratory crusher for crushing materials successively from an upstream side towards a downstream side of a material flow direction. The crushing member comprises a mantle (1) having a frustoconical outer structure and composed of a teeth plate member (2) formed of a material having high anti-wearing property and a plurality of grooves (3,6,7) formed to an outer peripheral surface of the teeth plate member (2). The grooves (3,6,7) are arranged in a plurality of circumferential stages of the outer peripheral surface of the teeth plate member (2) so as to extend parallelly along a generating line of the mantle (1) and disposed with spaces from each other in the respective stages. Each of the grooves (3,6,7) formed to a peripheral surface portion on the downstream side of the material flow direction has a pitch and a width narrower stepwise than those of the grooves (3,6,7) formed to a peripheral surface portion of the upstream side of the material flow direction. The grooves of the downstream side are substituted with a plurality of groove forming members casted into the downstream side portion of the members disposed with spaces from each other. The groove forming members each has a pitch and a width relatively narrower than those of the grooves and is formed of a material having a low anti-wearing property. <IMAGE>

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CPC (source: EP KR)  
**B02C 2/005** (2013.01 - EP); **B02C 19/10** (2013.01 - KR)

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• [A] EP 0306023 A1 19890308 - KAWASAKI HEAVY IND LTD [JP]  
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• [A] SOVIET INVENTIONS ILLUSTRATED Section PQ, Week D37, 21 October 1981 Derwent Publications Ltd., London, GB; Class P41, AN J6300 D & SU-A-791 421 (CONS MATLS HYDROMEC) 30 December 1980  
• [A] WORLD PATENTS INDEX LATEST Section PQ, Week 9003, Derwent Publications Ltd., London, GB; Class P41, AN 90-020629 & SU-A-1 470 320 (MOSCOW MEAT DAIRY INST.) 7 April 1989

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