

Title (en)
Cutter-breaker apparatus

Title (de)
Fräsbrecher

Title (fr)
Dispositif de fraisage-concassage

Publication
EP 1197601 A3 20021218 (DE)

Application
EP 01124003 A 20011009

Priority
DE 10050397 A 20001012

Abstract (en)
[origin: EP1197601A2] Breaker comprises a frame, a housing attached to the frame, a driven cutting roller (5) equipped with cutters, and at least one breaker strip arranged in the housing and interacting with the cutting roller. The distance between the side walls (3) of the housing is adjusted by first positioning devices. The side walls have opposite-lying rotating bodies (15) engaging in the two ends of the cutting roller. At least one of the rotating bodies is connected to a rotating drive (16). The rotating bodies are attached to the side walls and a runner (17) provided on each side wall can be drawn in or out by a second positioning device (20), or the rotating bodies can be attached to cranks hinged to the side walls and rotated by third positioning devices. Preferred Features: The side walls are displaced by one or more telescopic guides and the first positioning devices comprise at least one hydraulic piston/cylinder unit. The distance between the side walls and their position relative to the frame are adjusted by the first positioning devices.

IPC 1-7
E01C 23/088; A01D 34/00; E01C 21/00; B28D 1/18; F41H 11/16

IPC 8 full level
B28D 1/18 (2006.01); **E01C 21/00** (2006.01); **E01C 23/088** (2006.01)

CPC (source: EP)
B28D 1/18 (2013.01); **E01C 21/00** (2013.01); **E01C 23/088** (2013.01)

Citation (search report)
• [YA] US 4704045 A 19871103 - TAYLOR THOMAS M [US], et al
• [YD] DE 4324234 A1 19950126 - JACOBS WILLI [DE]
• [A] US 5378081 A 19950103 - SWISHER JR GEORGE W [US]
• [A] US 4458763 A 19840710 - RAO PRABHAKAR B [US], et al
• [A] DE 3911947 A1 19900215 - JGS INGENIEURBUERO GMBH [DE]
• [A] US 4017035 A 19770412 - STUTTMANN JURGEN

Cited by
WO2010145645A1; ITUB20153640A1; CN101914888A; IT201600119002A1; CN117583063A; CN115075106A; CN118241714A; US10358793B2; US8474919B2; WO2017046725A1; WO2010003436A1; US11008715B2; DE102009029785A1; WO2018096494A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1197601 A2 20020417; **EP 1197601 A3 20021218**; **EP 1197601 B1 20130501**; DE 10050397 C1 20020718

DOCDB simple family (application)
EP 01124003 A 20011009; DE 10050397 A 20001012