

Title (en)
SELF-PROPELLED STONE CRUSHER.

Title (de)
SELBSTANGETRIEBENE STEINBRECHVORRICHTUNG.

Title (fr)
CONCASSEUR AUTOPROPULSE.

Publication
EP 0348510 A4 19900220 (EN)

Application
EP 88909118 A 19881021

Priority
• JP 16145187 U 19871023
• JP 16145287 U 19871023

Abstract (en)
[origin: WO8903635A1] A self-propelled stone crusher constructed so that it can be operated even on the soft ground without lowering of the travelling performance thereof, can remove by itself such a large stone that cannot be crushed therewith, and crush stones as it excavates the superficial earth. This crusher is provided with a blade (17) fixed to the front portion of a crusher body (10), which has a crawler type driving unit (15), in such a manner that the blade (17) can be vertically moved, and a stone crushing unit (20) fixed to the rear end portion of the crusher body (10) with respect to the travelling direction of the stone crusher so that the stone crushing unit (20) can be detached and vertically moved. This unit (20) has a rotary drum (27) which is supported rotatably on both side plates (21a, 21a) of a cover member (21) opened toward the ground surface and which is provided with a plurality of bits (29) on the outer circumferential surface thereof; a repulsive plate unit (40), a granulating plate unit (41) and a sorter (42) which are arranged in a mutually spaced manner in the mentioned order in the rotational direction of the rotary drum (27) and fixed to the inner surface of the cover member (21) so that these units can crush stones in cooperation with the rotary drum (27).

IPC 1-7
A01B 43/00; E01C 21/00

IPC 8 full level
E02F 5/00 (2006.01); **E02F 5/30** (2006.01)

CPC (source: EP)
E02F 5/00 (2013.01); **E02F 5/305** (2013.01)

Citation (search report)
See references of WO 8903635A1

Cited by
EP3593610A3; EP2578749A3; US7284345B2; US7380576B2; US7198428B2; WO03062531A1; WO03031725A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 8903635 A1 19890505; EP 0348510 A1 19900103; EP 0348510 A4 19900220

DOCDB simple family (application)
JP 8801076 W 19881021; EP 88909118 A 19881021