

Title (en)

CRUSHER ASSEMBLY FOR A JAW CRUSHER

Title (de)

BRECHERBAUGRUPPE FUER EINEN BACKENBRECHER

Title (fr)

ENSEMBLE CONCASSEUR POUR CONCASSEUR À MÂCHOIRE

Publication

EP 3612308 A1 20200226 (DE)

Application

EP 18710419 A 20180307

Priority

- DE 102017108602 A 20170421
- EP 2018055614 W 20180307

Abstract (en)

[origin: WO2018192706A1] The invention relates to a crusher assembly for a jaw crusher having a swing jaw (10) and a crushing jaw (30) on the crushing face of which teeth (33) are formed. The crushing jaw (30) has at its opposing ends end faces (35), a clamping piece (50) with a clamping face (52) acting on one end face (35), and the other end face (35) being supported on a clamping element (20). The clamping piece (50) and the clamping element (20) are connected exchangeably to the swing jaw (10). The swing jaw (10) has, in its end region closest to the clamping piece (50), a head part (11) with a pivot bearing (12), and the crushing jaw (30) at least partially covers the region of the swing jaw (10) in front of the pivot bearing (12). Such a crushing assembly permits a wear-optimised design with a long service life and allows the crushing jaw (30) always to be exchanged easily. The material flow can also be optimised in that the risk of bridging in the crushing chamber is reduced.

IPC 8 full level

B02C 1/10 (2006.01)

CPC (source: EP US)

B02C 1/04 (2013.01 - US); **B02C 1/10** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018192706 A1 20181025; AU 2018253821 A1 20190919; AU 2018253821 B2 20240307; CA 3055822 A1 20181025; CN 110461476 A 20191115; CN 110461476 B 20211126; DE 102017108602 A1 20181025; EP 3612308 A1 20200226; US 11583864 B2 20230221; US 2021121891 A1 20210429

DOCDB simple family (application)

EP 2018055614 W 20180307; AU 2018253821 A 20180307; CA 3055822 A 20180307; CN 201880021639 A 20180307; DE 102017108602 A 20170421; EP 18710419 A 20180307; US 201816494004 A 20180307