

Title (en)
JAW CRUSHER

Title (de)
BACKENBRECHER

Title (fr)
CONCASSEUR À MÂCHOIRES

Publication
EP 3784403 A1 20210303 (DE)

Application
EP 19718120 A 20190411

Priority
• EP 2019059216 W 20190411
• DE 102018110265 A 20180427

Abstract (en)
[origin: WO2019206654A1] The invention relates to a jaw crusher with a stationary crusher jaw (21) and a movable crusher jaw (22), between which a crushing area (23) and a crushing gap (24) are formed. The movable crusher jaw (22) can be driven by a crusher drive (30) in order to generate a crushing movement, and one of the crusher jaws (21, 22), preferably the movable crusher jaw (22), is paired with an overload protection mechanism, wherein the overload protection mechanism has an adjustment unit (60) which produces a movement of the crusher jaws (21, 22) relative to each other in the event of an overload such that the crushing gap (24) is increased. When using such a jaw crusher, an improved operation is achieved if an actuation unit (100) is driven using the movement energy of a driven component of the jaw crusher, in particular the flywheels or the crusher drive (30) which drives the flywheels and the movable crusher jaw, and at least one actuator (80) is acted upon by the actuation unit (100) by means of a transmission means in order to produce the gap adjustment.

IPC 8 full level
B02C 1/02 (2006.01)

CPC (source: EP US)
B02C 1/025 (2013.01 - EP US); **B02C 1/04** (2013.01 - 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 2019206654 A1 20191031; CN 112041080 A 20201204; CN 112041080 B 20220902; DE 102018110265 A1 20191031;
DE 102018110265 B4 20240321; EP 3784403 A1 20210303; EP 3784403 B1 20240904; US 11819855 B2 20231121;
US 2021138477 A1 20210513

DOCDB simple family (application)
EP 2019059216 W 20190411; CN 201980028554 A 20190411; DE 102018110265 A 20180427; EP 19718120 A 20190411;
US 201917045866 A 20190411