

Title (en)  
HIGH-PRESSURE PUMP

Title (de)  
HOCHDRUCKPUMPE

Title (fr)  
POMPE À HAUTE PRESSION

Publication  
**EP 3784402 A1 20210303 (DE)**

Application  
**EP 19718119 A 20190411**

Priority  
• DE 102018110267 A 20180427  
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Abstract (en)  
[origin: WO2019206653A1] The invention relates to a high-pressure pump for the overload safeguard of a crushing assembly (20), in particular a jaw crusher, having an actuating unit (100) which receives an actuating element (110) adjustably in a housing (100.1), wherein the actuating element (110) has at least one piston (110.1, 110.2) or the actuating element (110) is coupled to at least one piston (110.1, 110.2), wherein at least one actuator (80, clamping cylinder (40)) and a pressure accumulator (150) are provided, wherein the actuating unit (100) is in a fluid-conducting connection with the actuator (80) in such a way that, in a pump stroke of the actuating unit (100), a transfer medium is pumped into a second chamber (40.1, 80.2) of the actuator (80, clamping cylinder (40)), and the transfer medium quantity which is displaced out of a further first chamber (40.2, 80.1) of the actuator (80, clamping cylinder (40)) during the pump stroke is buffer-stored in a pressure accumulator (150). By way of a high-pressure pump of this type, in the overload case, action can be taken effectively on the supporting system of the crushing jaws (21, 22), in order for it to be possible for the object which cannot be crushed or can be crushed only with difficulty to escape from the crushing throat, by it being possible for the crushing jaws to be deflected with respect to one another.

IPC 8 full level  
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**B02C 1/025** (2013.01 - EP US); **B02C 25/00** (2013.01 - US); **B02C 1/005** (2013.01 - US); **B02C 1/04** (2013.01 - US)

Citation (search report)  
See references of WO 2019206653A1

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