

Title (en)  
PRESSURE PLATE APPARATUS

Title (de)  
DRUCKPLATTENVORRICHTUNG

Title (fr)  
APPAREIL DE PLAQUE DE PRESSION

Publication  
**EP 3854481 A1 20210728 (EN)**

Application  
**EP 20275021 A 20200130**

Priority  
US 202016773161 A 20200127

Abstract (en)  
A system for maintaining a downward force on a central shaft of a cone crusher having a stationary frame. The improvement includes a disc fixed to the frame, the disc having a substantially centrally-disposed opening, and a plate mounted to the central shaft. At least one spring may be disposed to exert an upward bias on the plate with respect to the central shaft, wherein the plate and the disc are positioned against each other during at least some of the operations of the crusher so that the disc presses downwardly on the plate to exert a downward bias on the central shaft. The plate may include a replaceable wear insert facing the disc that may be replaced when it is desired to change the configuration of the plate or when the wear insert becomes worn.

IPC 8 full level  
**B02C 2/04** (2006.01); **B02C 2/00** (2006.01); **B02C 2/06** (2006.01)

CPC (source: EP)  
**B02C 2/00** (2013.01); **B02C 2/04** (2013.01); **B02C 2/042** (2013.01); **B02C 2/045** (2013.01)

Citation (search report)  
• [A] US 2006102760 A1 20060518 - JUHLIN JON [US]  
• [A] US 2016325287 A1 20161110 - KUVAJA KARI [FI], et al

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)  
**EP 3854481 A1 20210728**

DOCDB simple family (application)  
**EP 20275021 A 20200130**