

Title (en)  
A DRIVE TRAIN ASSEMBLY FOR A ROLL CRUSHER

Title (de)  
ANTRIEBSSTRANGANORDNUNG FÜR EINEN WALZENBRECHER

Title (fr)  
AGENCEMENT D'ENTRAÎNEMENT POUR UN BROYEUR ROTATIF

Publication  
**EP 4056280 A1 20220914 (EN)**

Application  
**EP 21162057 A 20210311**

Priority  
EP 21162057 A 20210311

Abstract (en)  
A drive train assembly (280) for a roll crusher (140) for crushing materials having an axially movable crusher roller (190) mounted between first and second roller bearings (250, 260) is described. The drive train assembly (280) comprises a drive train support frame (300) and a drive train carriage (285) comprising a transmission (310) having a drive shaft (320) connectable to a motor (330) and an output shaft (340) comprising an elastic coupling (350) for coupling the output shaft (340) with the axially movable crusher roller (190). The drive train carriage (285) is slidably mounted on the drive train support frame (300) by first and second frame bearings (560, 570, 700, 800) to allow linear lateral sliding movement of the drive train carriage (285) on the drive train support frame (300).

IPC 8 full level  
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**B02C 4/02** (2013.01); **B02C 4/08** (2013.01); **B02C 4/32** (2013.01); **B02C 4/42** (2013.01); **B02C 4/423** (2013.01); **B02C 4/426** (2013.01)

Citation (search report)

- [XA] US 2012132739 A1 20120531 - PUSHECK BERNARD [US], et al
- [A] CN 101722079 B 20110608 - YAOLING QIAN
- [A] DE 202016101205 U1 20170612 - CRUSH + SIZE TECH GMBH & CO KG [DE]

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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