

Title (en)  
LONGWALL CLEARING PLOW

Title (de)  
STREBBAU-RÄUMPFLUG

Title (fr)  
CHARRUE DE COMPENSATION PAR LONGUE TAILLE

Publication  
**EP 3106607 A1 20161221 (EN)**

Application  
**EP 15172961 A 20150619**

Priority  
EP 15172961 A 20150619

Abstract (en)  
The present disclosure relates to a clearing plow (8) for loosening material of a material cluster, which blocks travel of a material winning plow (100) in a longwall mining installation (2). The clearing plow (8) may comprise a first bottom guide member (32) including a first guiding element (40) for guiding the clearing plow (8) along a plow guide assembly (6) of the longwall mining installation (2). The clearing plow (8) may further comprise a main body (30) supported by the first bottom guide member (32), and providing a loosening tool mounting face (64) extending across the first guiding element (40) in a lateral direction of the main body (30). In clearing operation, the clearing plow (8) may be moved against the material cluster to loosen material.

IPC 8 full level  
**E21C 27/32** (2006.01); **E21C 27/34** (2006.01); **E21C 35/08** (2006.01)

CPC (source: EP)  
**E21C 27/32** (2013.01); **E21C 27/34** (2013.01); **E21C 35/12** (2013.01)

Citation (applicant)  
EP 14186374 A 20140925

Citation (search report)  
• [X] US 2012038204 A1 20120216 - KLABISCH ADAM [DE], et al  
• [X] US 4583785 A 19860422 - BREUER OSWALD [DE], et al  
• [A] US 2015084396 A1 20150326 - HESSE NORBERT [DE], et al  
• [A] US 4407546 A 19831004 - BRAUEN ERNST [DE], et al  
• [A] DE 20118259 U1 20020131 - DBT BERGBAU SERVICE GMBH [DE]  
• [A] US 2005161995 A1 20050728 - TILLESSEN UWE [DE], 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 3106607 A1 20161221**; CN 107923241 A 20180417; RU 2018101927 A 20190719; WO 2016202456 A1 20161222

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**EP 15172961 A 20150619**; CN 201680046581 A 20160615; EP 2016001000 W 20160615; RU 2018101927 A 20160615