

Title (en)
Mining machine gathering head

Title (de)
Bergbaumaschinen-Sammelkopf

Title (fr)
Tête de rassemblement de machine d'exploitation minière

Publication
EP 2821590 A1 20150107 (EN)

Application
EP 13175084 A 20130704

Priority
EP 13175084 A 20130704

Abstract (en)
A gathering head (117) for a mining machine (100) positionable at a forward end of the machine. The gathering head comprises a base (119), a back plate (124) and sidewalls (120). The sidewalls are both tapered inwardly in the widthwise direction of the head from a forward end (301) to a rearward end (205) and outwardly relative to the base (119) from a lowermost region (323) to an uppermost region (322). Accordingly the requirement for additional gathering arms at a base region of the head is avoided.

IPC 8 full level
E21C 27/24 (2006.01); **E21C 35/20** (2006.01); **E21D 9/12** (2006.01)

CPC (source: EP RU US)
E21C 27/24 (2013.01 - EP RU); **E21C 35/20** (2013.01 - EP RU US); **E21D 9/12** (2013.01 - RU); **E21D 9/122** (2013.01 - US); **E21D 9/126** (2013.01 - EP US); **E21C 27/24** (2013.01 - US)

Citation (applicant)

- US 3860 A 18441216
- US 291 A 18370722
- US 4277105 A 19810707 - TAYLOR JOHN C
- WO 2011040806 A1 20110407 - SUPERIOR HIGHWALL MINERS B V [NL], et al
- US 4952000 A 19900828 - LIPINSKI THOMAS [US], et al
- WO 9803770 A1 19980129 - TAMROCK VOEST ALPINE BERGTECH [AT], et al

Citation (search report)

- [XY] DE 3015319 A1 19811029 - DEILMANN HANIEL GMBH [DE]
- [Y] US 4296856 A 19811027 - FREED JR DONALD L
- [X] DE 880576 C 19530622 - EICKHOFF GEB
- [A] US 4159055 A 19790626 - EBERLE WILLIAM R [US]
- [A] US 5553926 A 19960910 - BLACKSTOCK JON C [US], et al

Cited by
RU2708130C1; RU168978U1; RU185540U1; CN118087836A; WO2020055284A1

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 2821590 A1 20150107; AU 2014286454 A1 20151224; AU 2014286454 B2 20180215; CN 204283436 U 20150422; RU 2016103376 A 20170810; RU 2646259 C2 20180302; US 2016146006 A1 20160526; WO 2015000711 A2 20150108; WO 2015000711 A3 20150924; ZA 201509094 B 20190626

DOCDB simple family (application)
EP 13175084 A 20130704; AU 2014286454 A 20140619; CN 201420369166 U 20140704; EP 2014062914 W 20140619; RU 2016103376 A 20140619; US 201414900543 A 20140619; ZA 201509094 A 20151214