

Title (en)

Improvements in and Relating to Long Wall Hydraulic Supply Systems

Title (de)

Verbesserungen bei und im Zusammenhang mit langwandigen hydraulischen Zuführsystemen

Title (fr)

Améliorations portant sur et se rapportant à des systèmes d'alimentation hydraulique de paroi longue

Publication

EP 2378060 A1 20111019 (EN)

Application

EP 10160213 A 20100416

Priority

EP 10160213 A 20100416

Abstract (en)

A long wall hydraulic supply system and related control unit, method and computer program product are provided. The long wall hydraulic supply system comprises a pump station (12) operatively coupled to remote powered roof supports (20) to supply hydraulic pressure thereto via a hydraulic line (30). The system also comprises a remote pressure sensor (40) located at a position remote from the pump station, and a control unit (50). The control unit is operatively coupled to the remote pressure sensor (40) and to the pump station (12), and is arranged to control the pump station to supply hydraulic fluid to the powered roof support via the hydraulic line (30) in response to a remote pressure signal received from the remote pressure sensor (40). By using a remote pressure sensor, pump station control can be improved.

IPC 8 full level

E21D 23/26 (2006.01)

CPC (source: EP)

E21D 23/26 (2013.01)

Citation (search report)

- [Y] GB 2329429 A 19990324 - JOY MINING MACHINERY LIMITED [GB]
- [Y] GB 2068467 A 19810812 - GEWERK EISENHUETTE WESTFALIA
- [Y] US 7478884 B2 20090120 - KUSSEL WILLI [DE]
- [A] US 3216201 A 19651109 - DUNBAR KIBBLE JOHN, et al

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2378060 A1 20111019; EP 2378060 B1 20121205; AU 2011201509 A1 20111103; AU 2011201509 B2 20141113; CN 102235174 A 20111109; CN 102235174 B 20151125; PL 2378060 T3 20130531

DOCDB simple family (application)

EP 10160213 A 20100416; AU 2011201509 A 20110404; CN 201110092995 A 20110413; PL 10160213 T 20100416