

Title (en)

ARRANGEMENT FOR THE CONTROL OF A SELF-ADVANCING SUPPORT IN UNDERGROUND MINING

Publication

**EP 0053270 B1 19840704 (DE)**

Application

**EP 81108648 A 19811021**

Priority

DE 3045452 A 19801202

Abstract (en)

[origin: US4398851A] A system for advancing timbering in underground mines comprises a number of longwall supporting timbering units which are pushed forward hydraulically in accordance with the progress of the working obtained by a mining machine, along with a conveyer device. Each timbering unit is equipped with an electronic control device which is connected to a computer in a control room. The control units are connected in series via control lines in such a manner that the control data delivered by the computer and the acknowledgment data delivered by the respective addressed control unit are passed on via first receivers and transmitters and via second transmitters and receivers, respectively, from one control unit to the immediately adjacent one in ascending or descending sequence back to the computer.

IPC 1-7

**E21D 23/12**

IPC 8 full level

**E21D 23/12** (2006.01); **E21D 23/14** (2006.01)

CPC (source: EP US)

**E21D 23/12** (2013.01 - EP US); **E21D 23/146** (2016.01 - EP US)

Citation (examination)

DE 2736365 A1 19780223 - DOBSON PARK IND

Cited by

US9206587B2; US8768579B2; US9315967B2; FR2614935A1; CN102155222A; CN107701216A; FR2557918A1; DE4404962A1; DE4404962C2; WO2017000383A1; US9745721B2; US10655301B2; US9567725B2; US10227754B2; US11028560B2

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**EP 0053270 A1 19820609**; **EP 0053270 B1 19840704**; AU 553180 B2 19860703; AU 7813381 A 19820610; DE 3045452 C1 19820701; DE 3164596 D1 19840809; US 4398851 A 19830816; ZA 818319 B 19821027

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