

Title (en)

Combined AFC side discharge unit and integral cutter unit.

Title (de)

Strebförderer-Seitenausstrag in Kombination mit angebaute Schrämeinheit.

Title (fr)

Sortie latérale d'un convoyeur de taille blindé en combinaison avec une unité de havage intégrale.

Publication

EP 0218360 A1 19870415 (EN)

Application

EP 86306739 A 19860901

Priority

GB 8521851 A 19850903

Abstract (en)

The combined AFC side discharge unit and integral cutter unit, for use in advance cutting of longwall faces includes an elongate armoured face conveyor (10) at one end of which is a side discharge unit (11), said end being raised relative to the remainder of the armoured face conveyor for location over the receiving end of a gate conveyor (13) located in a roadway running back from the armoured face conveyor, an integral cutter unit (20) is located at the discharge end of the armoured face conveyor (10) and mounted on the face side thereof. The cutter unit (20) has at least two rotary bore type cutting elements (22 - 24) overlapping in their rotary paths in a phased manner. The cutting elements (22 - 24) are in line with or approximately in line with the cutter (14) of a longwall mining machine mounted on the armoured face conveyor. Ancilliary cutting means (27, 28, 29) are provided to remove cusps (25, 26) left by the rotary cutting elements (22 - 24). The ancilliary cutting means are located to the rear of the rotary cutting elements (22 - 24) for operation when the armoured face conveyor is moved forward by means provided therefor.

IPC 1-7

E21C 27/24

IPC 8 full level

E21C 27/00 (2006.01); **E21C 27/22** (2006.01)

CPC (source: EP)

E21C 27/00 (2013.01); **E21C 27/22** (2013.01)

Citation (search report)

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- [Y] US 4436345 A 19840313 - SILKS WALTER [US], et al
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EP0375837A3

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