

Title (en)

LAUNCH VEHICLE FOR CONTINUOUS MINING APPARATUS

Title (de)

VORSCHUBFAHRZEUG FÜR EIN KONTINUIERLICH ARBEITENDES ABBAUGERÄT

Title (fr)

VEHICULE DE POSITIONNEMENT POUR APPAREIL D'ABATTAGE EN CONTINU

Publication

**EP 0513338 B1 19970122 (EN)**

Application

**EP 92902231 A 19911209**

Priority

- US 9109234 W 19911209
- US 62521190 A 19901210
- US 76940891 A 19911001

Abstract (en)

[origin: WO9210644A2] A launch vehicle (10) is provided for a continuous mining system including modular conveyor units (U) that may be connected together to form a conveyor train (T). The launch vehicle (10) includes an elongated frame (12) that holds a belt conveyor (14) for conveying aggregate material that is received from the conveyor train (T). A drive assembly (34) for selectively advancing and withdrawing the conveyor train is also provided on the launch vehicle. Additionally, the launch vehicle includes a mechanism (52) for adding a modular conveyor unit to the conveyor train. More specifically, the conveyor train drive assembly (34) includes a pair of cooperating tandem drive cylinders (36, 38). Each drive cylinder includes a pusher arm unit (42) that is adapted to engage one of the modular conveyor units of the conveyor train. The conveyor unit adding mechanism includes a positioning mechanism that holds and places a conveyor unit on the launch vehicle. A pusher cylinder is also provided to push the new conveyor unit into engagement with the rear of the conveyor train. The launch vehicle also includes an extensible front end.

IPC 1-7

**E21C 27/24**; **E21F 13/02**

IPC 8 full level

**E21C 27/24** (2006.01); **E21F 13/08** (2006.01)

CPC (source: EP)

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**WO 9210644 A2 19920625**; **WO 9210644 A3 19920723**; AU 644257 B2 19931202; AU 9127291 A 19920708; CA 2075638 A1 19920611; CA 2075638 C 19970527; DE 69124364 D1 19970306; DE 69124364 T2 19970731; EP 0513338 A1 19921119; EP 0513338 B1 19970122; ES 2096746 T3 19970316; PL 167642 B1 19951031; PL 295643 A1 19930712

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