

Title (en)

Foldable crane with rapid and automatic deployment.

Title (de)

Zusammenlegbarer Kran mit automatischer und schneller Aufrichtung.

Title (fr)

Grue repliable a deploiement automatique rapide.

Publication

EP 0331856 A1 19890913 (FR)

Application

EP 88420074 A 19880302

Priority

EP 88420074 A 19880302

Abstract (en)

The invention relates to a crane which can be raised quickly and automatically. The cable (13), anchored on the boom tip (12), is reeved between two trains of pulleys (14) and (15). The train (14) is integrally connected to the foot (9) of the boom. The spindle of the train (15) slides in a slide channel (19) in the mast, under the action of a pusher (20). The angle (39) opens slowly at the beginning of the raising and quickly at the end of the raising. Application: possibility of a very long boom tip (12). <IMAGE>

Abstract (fr)

L'invention concerne une grue à relevage rapide et automatique. Le câble (13), ancré sur la pointe de flèche (12), est mouflé entre deux trains de poulies (14) et (15). Le train (14) est solidaire du pied de flèche (9). Le train (15) a son axe qui coulisse dans une glissière (19) du mât, sous l'action d'un poussoir (20). L'angle (39) s'ouvre lentement en début de relevage, rapidement en fin de relevage. Application : possibilité d'une pointe de flèche (12) très longue.

IPC 1-7

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IPC 8 full level

B66C 23/34 (2006.01)

CPC (source: EP)

B66C 23/34 (2013.01); **B66C 23/545** (2013.01)

Citation (search report)

- [AD] FR 2548646 A1 19850111 - CADILLON [FR]
- [A] FR 2436097 A1 19800411 - PINGON INT [ES]
- [A] DE 3441573 A1 19860515 - PEINER HEBE UND TRANSPORTSYSTE [DE]
- [A] FR 2457241 A3 19801219 - SAN MARCO SPA [IT]
- [A] DE 3633582 A1 19870416 - CATTANEO LUIGI SPA [IT]
- [A] FR 2546496 A1 19841130 - CATTANEO SPA [IT]

Cited by

EP1084982A1; DE4315960A1; US6276541B1

Designated contracting state (EPC)

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