

Title (en)
Crane jib which folds automatically.

Title (de)
Selbsttätig klappbarer Kranausleger.

Title (fr)
Flèche à repliage automatisé pour grue.

Publication
EP 0536060 A1 19930407 (FR)

Application
EP 92420330 A 19920925

Priority
FR 9112383 A 19911002

Abstract (en)
The jib (10) comprises a jib base (11), an intermediate jib-folding element (12) and a jib tip (13), which are articulated to each other (at 14, 15) at the level of their lower members. The intermediate element (12) is connected to the jib base (11) by a motorised member (36) controlling its pivoting about the axis of articulation (14). The jib tip (13) is connected to the jib base (11) by a coupling assembly (40) having three articulated members (41, 42, 43), the central member (41) of this assembly being connected by articulation to a fixed point of the intermediate element (12) and causing the jib tip (13) to pivot about the axis of articulation (15). Application to the production of automatically erected tower cranes. <IMAGE>

Abstract (fr)
La flèche (10) comprend un pied de flèche (11), un élément intermédiaire de pliage de flèche (12) et une pointe de flèche (13), articulés les uns aux autres (en 14,15) au niveau de leurs membrures inférieures. L'élément intermédiaire (12) est relié au pied de flèche (11) par un organe motorisé (36) commandant son pivotement autour de l'axe d'articulation (14). La pointe de flèche (13) est reliée au pied de flèche (11) par un ensemble d'accouplement (40) à trois organes articulés (41,42,43), l'organe central (41) de cet ensemble étant relié par articulation à un point fixe de l'élément intermédiaire (12) et provoquant le pivotement de la pointe de flèche (13) autour de l'axe d'articulation (15). Application à la réalisation de grues à tour à montage automatisé. <IMAGE>

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CPC (source: EP)
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Citation (search report)
• [XD] FR 2368430 A1 19780519 - PINGON MANUBAT SA [FR]
• [AD] FR 2550176 A1 19850208 - POTAIN SA [FR]
• [A] DE 8433323 U1 19880630

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EP0941958A1; US5842587A; CN109516392A; CN102320526A; CN101823671A; EP0999171A1; CN110001918A; EP0888997A1; FR2765564A1; EP0733584A1; FR2732000A1; EP1031530A1; FR2790252A1; US6276541B1; CN107720572A; US2021261388A1; EP2213609A1; US11702324B2; WO2016046221A1; WO2016046224A1; WO2020002066A1

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