

Title (en)
DISTRIBUTION DEVICE FOR THICK MATTER, ESPECIALLY FOR CONCRETE

Title (de)
VERTEILERVORRICHTUNG FÜR DICKSTOFFE, INSBESONDERE FÜR BETON

Title (fr)
DISPOSITIF DE REPARTITION DE MATIERES EPAISSES, NOTAMMENT DE BETON

Publication
EP 1360387 A2 20031112 (DE)

Application
EP 02711845 A 20020207

Priority

- DE 10106427 A 20010212
- EP 0201290 W 20020207

Abstract (en)
[origin: US2004108003A1] A distribution device for dense substances, especially concrete, with a distribution boom carrying a concrete-conveyance conduit, with at least one telescopic boom section (4) consisting of a first telescope component and a second telescope component (6) that can be extended with respect to this first component, as well as at least one reinforcement beam that is arranged on one of the telescope components and carries a section of the concrete-conveyance conduit, wherein a section of the concrete-conveyance conduit in the region of the telescopic boom section consists of a flexible hose with a compensation loop to accommodate the extension movement of the telescope or of at least one scissor-type conduit assembly made up of swivel elements connected to each other in such a manner that the swivel elements in the two terminal positions of the telescopic boom section are substantially arranged in a crossover position and, together with the articulated joints that interconnect them, move past each other during the extension and retraction of the telescopic boom section, is characterized in that the reinforcement beam that carries a section of the concrete-conveyance conduit in the region of the telescopic boom section has one of its ends connected to the extensible (second) telescope component and its other end connected to the relatively immobile (first) telescope component.

IPC 1-7
E04G 21/04

IPC 8 full level
E04G 21/04 (2006.01)

CPC (source: EP KR US)
E04G 21/04 (2013.01 - EP KR US); **E04G 21/0418** (2013.01 - EP US); **Y10T 137/8807** (2015.04 - EP US)

Citation (search report)
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US 2004108003 A1 20040610; **US 6871667 B2 20050329**; AT E421014 T1 20090115; AU 2002231782 B2 20051222; BR 0206688 A 20040203; BR 0206688 B1 20110628; CN 1247868 C 20060329; CN 1491310 A 20040421; DE 10106427 A1 20020814; DE 10106427 B4 20060622; DE 50213216 D1 20090305; EP 1360387 A2 20031112; EP 1360387 B1 20090114; ES 2209679 T1 20040701; HK 1056588 A1 20040220; JP 2004526080 A 20040826; JP 4128080 B2 20080730; KR 100668027 B1 20070115; KR 20030096257 A 20031224; TR 200302371 T3 20040223; WO 02064911 A2 20020822; WO 02064911 A3 20021219

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