

Title (en)

ARRANGEMENT FOR CONVEYING CONCRETE WITH A HEIGHT-ADJUSTABLE CONCRETE-DISTRIBUTING MAST

Title (de)

ANORDNUNG ZUM FÖRDERN VON BETON MIT HÖHENVERSTELLBAREM BETONVERTEILERMAST

Title (fr)

DISPOSITIF DE TRANSPORT DE BÉTON AU MOYEN D'UN MÂT DISTRIBUTEUR DE BÉTON RÉGLABLE EN HAUTEUR

Publication

EP 2057328 A1 20090513 (DE)

Application

EP 07765660 A 20070627

Priority

- EP 2007056405 W 20070627
- DE 102006040092 A 20060828

Abstract (en)

[origin: US2009252575A1] The invention relates to an arrangement for conveying concrete for the construction of multi-storey concrete buildings. The arrangement comprises a concrete-distributing mast which is height-adjustable on completed parts of the building, for example on storey floors (48', 48", 48""), the mast comprising a supporting column (10), a rotary unit (12) and an arm assembly (14) preferably designed as an articulated boom, and the mast being equipped with a conveying line (16) which is guided over the height of the supporting column (10) to the arm assembly (14) and which is supplied with liquid concrete. To facilitate the handling of the concrete-distributing mast during transportation and during the climbing operation, the invention proposes that the supporting column (10) has at least one channel-shaped surface depression (36, 38) extending in the longitudinal direction of the column, in which depression can be sunk that part of the conveying line (16) which extends over the supporting column (10), and/or an elongate part of the climbing apparatus (52).

IPC 8 full level

E04G 21/04 (2006.01); **B66C 23/32** (2006.01)

CPC (source: EP KR US)

B66C 23/32 (2013.01 - EP KR US); **E04G 21/04** (2013.01 - EP KR US); **E04G 21/0427** (2013.01 - EP US); **Y10T 137/8807** (2015.04 - EP US)

Citation (search report)

See references of WO 2008025582A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

US 2009252575 A1 20091008; US 8109291 B2 20120207; AT E462055 T1 20100415; BR PI0715940 A2 20130205; CN 101512082 A 20090819; CN 101512082 B 20111123; DE 102006040092 A1 20080306; DE 502007003239 D1 20100506; EA 014347 B1 20101029; EA 200970229 A1 20090630; EP 2057328 A1 20090513; EP 2057328 B1 20100324; ES 2340630 T3 20100607; KR 101240032 B1 20130306; KR 20090046788 A 20090511; MX 2009002128 A 20090528; PL 2057328 T3 20100831; UA 95973 C2 20110926; WO 2008025582 A1 20080306; ZA 200900474 B 20091230

DOCDB simple family (application)

US 31016907 A 20070627; AT 07765660 T 20070627; BR PI0715940 A 20070627; CN 200780030343 A 20070627; DE 102006040092 A 20060828; DE 502007003239 T 20070627; EA 200970229 A 20070627; EP 07765660 A 20070627; EP 2007056405 W 20070627; ES 07765660 T 20070627; KR 20097001328 A 20070627; MX 2009002128 A 20070627; PL 07765660 T 20070627; UA A200902923 A 20070627; ZA 200900474 A 20090121