Title (en)
SELF-PROPELLED DEVICE FOR DISPLACING TRANSPORTABLE HEAVY CONCRETE ELEMENTS AND OTHER LOADS

Publication
EP 0120291 B1 19881123 (DE)

Application
EP 84101823 A 19840222

Priority
- DE 3306351 A 19830224
- DE 3324441 A 19830707
- DE 3342424 A 19831124

Abstract (en)
[origin: US4787812A] A self-propelled apparatus for lifting arrays of paving stones has a mobile arm one end of which carries a support for a polygonal assembly of suction cups having axially and angularly movable bellows which attract the paving stones of an array during transport. The support further carries directional jaws which are adjacent to the sides of the polygonal assembly of suction cups and are movable relative to the support to rearrange the paving stones of an array if the distribution of paving stones departs from an optimum distribution. The jaws are moved out of the way before the suction cups deposit the paving stones of an array so that a freshly deposited array can be placed into immediate or close proximity of the previously deposited array or arrays.

IPC 1-7
B66F 9/18; B66C 1/02; E01C 19/52

IPC 8 full level
B66C 1/02 (2006.01); B66F 9/18 (2006.01); E01C 19/52 (2006.01)

CPC (source: EP US)
B66C 1/0212 (2013.01 - EP US); B66C 1/025 (2013.01 - EP US); B66C 1/0256 (2013.01 - EP US); B66C 23/54 (2013.01 - EP US); E01C 19/524 (2013.01 - EP US)

Cited by
US5088878A; US4793657A; GB2355447A; EP0312696A1; EP0282700A3; AT400015B; WO9416148A1

Designated contracting state (EPC)
AT BE CH FR LI LU NL SE

DOCDB simple family (publication)
EP 0120291 A2 19841003; EP 0120291 A3 19850626; EP 0120291 B1 19881123; DK 153030 B 19880606; DK 153030 C 19881017; DK 89684 A 19840825; DK 89684 D0 19840222; FI 79508 B 19890929; FI 79508 C 19900110; FI 840737 A0 19840222; FI 840737 A 19840825; NO 161311 B 19890424; NO 161311 C 19890802; NO 840655 L 19840827; US 4787812 A 19881129

DOCDB simple family (application)
EP 84101823 A 19840222; DK 89684 A 19840222; FI 840737 A 19840222; NO 840655 A 19840221; US 58304884 A 19840223