

Title (en)  
Container hoisting device using suckers

Title (de)  
Container-Hebegerät mit Saugnäpfen

Title (fr)  
Dispositif de levage de conteneurs, à ventouse

Publication  
**EP 0779234 B1 20011031 (FR)**

Application  
**EP 96402665 A 19961209**

Priority  
FR 9514627 A 19951211

Abstract (en)  
[origin: EP0779234A1] The system consists of a suction cup to grip the load, connected to a winch by a cable (14). The cable incorporates a traction core (60) and a suction duct (62) inside a reinforcing braiding (67) and a sleeve (68), e.g. of polyurethane. The suction cup comprises a base (50) with a fixing element (70) for attaching to the traction core. A suction port (76) is linked to the duct (62). A safety dome (52) covers the base and surrounding a zone in which the suction duct is separated from the cable. It also incorporates an effort sensor (72) between the fixing element and the traction core. A vacuum detector (74) measures the residual pressure in a depression zone (54) formed between the base of the cup and a surrounding seal member (56).

IPC 1-7  
**B66C 1/02**

IPC 8 full level  
**B66C 1/02** (2006.01)

CPC (source: EP)  
**B66C 1/0212** (2013.01); **B66C 1/0256** (2013.01)

Cited by  
WO2017037442A1; WO2005110907A1

Designated contracting state (EPC)  
BE CH DE ES GB IT LI

DOCDB simple family (publication)  
**EP 0779234 A1 19970618; EP 0779234 B1 20011031**; DE 69616486 D1 20011206; DE 69616486 T2 20020529; FR 2742137 A1 19970613; FR 2742137 B1 19980116

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