

Title (en)  
Apparatus for making in-situ piles

Title (de)  
Vorrichtung zum Herstellen von Materialsäulen im Boden

Title (fr)  
Appareil pour fabriquer pieux in-situ

Publication  
**EP 1367180 B1 20051228 (DE)**

Application  
**EP 03017468 A 19980221**

Priority  
• DE 19707687 A 19970226  
• EP 98103079 A 19980221

Abstract (en)  
[origin: EP0861944A1] The appliance has an upright stand (12), and a carriage (14) for a conveyor system with depth vibrator (16) and material feed tube (17). A cable winch (22) manipulates a container (26) to supply material in batches to the conveyor system. The container moves synchronized with, and relative to, the carriage. A jib boom carrying the winch is forcibly coupled to the carriage or fastened to it. The cable winch can be switched to neutral when the container rests on the ground (100). Carriage or conveyor system has a top stop for the container, and a unit to limit the traction force of the winch, so that the full container is held until it engages on the stop and during charging of the conveyor system.

IPC 1-7  
**E02D 3/10**; **E02D 5/42**

IPC 8 full level  
**E02D 3/10** (2006.01)

CPC (source: EP US)  
**E02D 3/054** (2013.01 - EP US); **E02D 3/08** (2013.01 - EP US); **E02D 3/10** (2013.01 - EP US); **E02D 3/123** (2013.01 - EP US);  
**E02D 5/40** (2013.01 - EP US); **E02D 7/14** (2013.01 - EP US)

Cited by  
EP2241677A3; ITTO20090282A1; EP3926099A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI NL PT SE

DOCDB simple family (publication)  
**EP 0861944 A1 19980902**; **EP 0861944 B1 20031008**; AT E251695 T1 20031015; AT E314529 T1 20060115; DE 19707687 C1 19981015;  
DE 59809830 D1 20031113; DE 59813323 D1 20060202; EP 1367180 A1 20031203; EP 1367180 B1 20051228; ES 2256627 T3 20060716;  
US 5980161 A 19991109

DOCDB simple family (application)  
**EP 98103079 A 19980221**; AT 03017468 T 19980221; AT 98103079 T 19980221; DE 19707687 A 19970226; DE 59809830 T 19980221;  
DE 59813323 T 19980221; EP 03017468 A 19980221; ES 03017468 T 19980221; US 3123098 A 19980226