

Title (en)

Grapple provided with a bucket comprising a shutter

Title (de)

Greifer, der mit einem Ladekübel mit Verschluss ausgestattet ist

Title (fr)

Benne preneuse munie d'un godet comportant un obturateur

Publication

EP 2484837 B1 20180627 (FR)

Application

EP 12153996 A 20120206

Priority

FR 1150963 A 20110207

Abstract (en)

[origin: EP2484837A1] The grapple (10) has buckets (16, 18), each comprising sidewalls extending perpendicularly on both sides of back with concave geometry, where the back is provided with openings (38, 40). The buckets have shutters (42, 44) occupying an opening position in which the openings are formed and a closed position in which the openings are closed by the shutters. Moving units formed of an arm (28), curved oblong orifice (78) and a pin (88) act on the shutter for moving the shutters between the open position and the closed position. The shutters are fixed to the buckets in a pivoting manner. An independent claim is also included for a method for digging a trench in soil by using a grapple.

IPC 8 full level

E02F 3/20 (2006.01); **B66C 3/02** (2006.01); **E02F 3/40** (2006.01); **E02F 3/407** (2006.01); **E02F 3/47** (2006.01)

CPC (source: EP)

B66C 3/02 (2013.01); **E02F 3/404** (2013.01); **E02F 3/4075** (2013.01); **E02F 3/475** (2013.01)

Cited by

EP2848740A1; CN109545067A; CN115385231A; FR3059869A1; ITM120131529A1; DE102016001368A1; CN107130502A; US2021323794A1; WO2020047409A1; WO2018108731A1; US9284715B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2484837 A1 20120808; **EP 2484837 B1 20180627**; FR 2971274 A1 20120810; FR 2971274 B1 20140516; JP 2012162975 A 20120830

DOCDB simple family (application)

EP 12153996 A 20120206; FR 1150963 A 20110207; JP 2012019901 A 20120201