

Title (en)

A device for ground compaction

Title (de)

Vorrichtung zur Bodenverfestigung

Title (fr)

Dispositif pour la consolidation d'un sol

Publication

EP 2241677 A2 20101020 (EN)

Application

EP 10159117 A 20100406

Priority

IT TO20090282 A 20090410

Abstract (en)

A device (10) for the supply of inert materials to vibrating systems of ground compaction, installed on a compacting equipment (20) of the ground (100) having: a self-propelled operating machine (21) provided with a tower (22) or arm (50) for supporting a drill battery (22a) comprising a vibrating tool for the compaction for the ground; and a caisson (23)(23') for conveying inert materials to be fed to said drill battery (22a) in a hole on the ground (100); the device (10) presents a substantially hopper shape and slides between a first lower height near the ground (100) and a second height, higher than the first, where the caisson lies (23)(23'); the device (10) is provided with an openable discharging door (11) of inert materials; the opening takes place by means of activation of mechanical means associated to the hopper (10) and to the caisson (23)(23').

IPC 8 full level

E02D 3/08 (2006.01)

CPC (source: EP)

E02D 3/08 (2013.01); **E02D 5/66** (2013.01); **E02D 7/16** (2013.01); **E02D 7/18** (2013.01)

Cited by

WO2020147975A1; US2022380995A1; US11873615B2; DE102016113140A1; CN110036156A; WO2018011435A3

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2241677 A2 20101020; **EP 2241677 A3 20101229**; **EP 2241677 B1 20121121**; ES 2401165 T3 20130417; IT 1393586 B1 20120427; IT TO20090282 A1 20101011

DOCDB simple family (application)

EP 10159117 A 20100406; ES 10159117 T 20100406; IT TO20090282 A 20090410