

Title (en)

SOIL SCREENING APPARATUS AND A METHOD FOR SCREENING SOIL

Title (de)

VORRICHTUNG ZUM SIEBEN VON ERDE UND VERFAHREN ZUM SIEBEN VON ERDE

Title (fr)

APPAREIL DE TAMISAGE DE TERRE ET PROCÉDÉ DE TAMISAGE DE TERRE

Publication

EP 3137231 A1 20170308 (EN)

Application

EP 15723046 A 20150430

Priority

- IE S20140113 A 20140430
- IE S20140181 A 20140729
- IE 2015000004 W 20150430

Abstract (en)

[origin: WO2015166475A1] Apparatus (1) for screening soil comprises a chassis (2) having an upwardly inclined conveyor (10) mounted therein. A forward soil engaging scraper plate (8) is coupled to and extends forwardly from an upstream end (11) of the conveyor (10) for engaging the soil beneath the surface for scraping the soil above the scraper plate (8) and transferring the scraped soil onto the conveyor (10) as the apparatus (1) is urged forwardly. The soil is conveyed to a downstream end (12) of the conveyor (10) and delivered to a first screen (30) which screens material of a first predefined size of 150mm and greater from the material and discharges the screened material into a storage container (32). Material of size less than the first predefined size passes through the first screen (30) to a second screen (35) which retains material of a second predefined size of 20mm and greater and passes material of less than the second predefined size of 20mm, for example, soil fines therethrough, which are deposited on the ground. The second screen (35) is configured to urge the material of the second predefined size of 20mm and greater towards a forward downstream end (37) of the second screen (35) which is deposited onto the ground in advance of the soil fines, so that the fines are deposited on the ground on top of the material of the second predefined size of 20mm and greater.

IPC 8 full level

B07B 1/00 (2006.01); **B07B 1/04** (2006.01); **B07B 1/15** (2006.01); **B07B 13/16** (2006.01)

CPC (source: EP)

B07B 1/005 (2013.01); **B07B 1/04** (2013.01); **B07B 1/15** (2013.01); **B07B 13/16** (2013.01); **B07B 2201/04** (2013.01)

Citation (search report)

See references of WO 2015166475A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015166475 A1 20151105; EP 3137231 A1 20170308; EP 3137231 B1 20210811; PL 3137231 T3 20220214

DOCDB simple family (application)

IE 2015000004 W 20150430; EP 15723046 A 20150430; PL 15723046 T 20150430