

Title (en)
SOIL SCREENING APPARATUS AND A METHOD FOR SCREENING SOIL

Title (de)
ERDSIEBVORRICHTUNG UND METHODE ZUM SIEBEN VON ERDE

Title (fr)
TAMIS À TERRE ET PROCÉDÉ POUR TAMISER DE LA TERRE

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Application
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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.

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