

Title (en)

A device and method for removing a foreign object from harvested leaves

Title (de)

Vorrichtung und Verfahren zum Entfernen eines Fremdkörpers aus geernteten Blättern

Title (fr)

Dispositif et procédé permettant de supprimer des objets étrangers des feuilles récoltées

Publication

EP 2564944 A3 20131113 (EN)

Application

EP 12183160 A 20120905

Priority

GB 201115296 A 20110905

Abstract (en)

[origin: EP2564944A2] A device for removing a foreign object from harvested leaves, the foreign object being more dense than each leaf in the harvested leaves, the device comprising: an input feed conveyor (105) operable to receive the harvested leaves; a second conveyor (110) having a plurality of holes which allow air to flow therethrough and being separated from the input feed conveyor (105) by a gap; a suction device (120) operable to suck air through a first area of the second conveyor (110), the suction being sufficient to draw the harvested leaves from the input feed conveyor (105) onto the second conveyor (110) whilst leaving the foreign object on the input feed conveyor (105); and an output (135) separated from the input conveyor (105) by a second gap bridged by the first area of the second conveyor (110), where the output (135) is located below a second area of the second conveyor (110), wherein the suction device (120) is operable to lose sufficient suction at the second part of the second conveyor (110) so that the harvested leaves fall from the second conveyor (110) to the output (135).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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