

Title (en)

SYSTEM AND METHOD FOR CHARGING A PLANT TRANSPLANTING DEVICE

Title (de)

SYSTEM UND VERFAHREN ZUM BESCHICKEN EINER PFLANZENSETZEINRICHTUNG

Title (fr)

SYSTEME ET PROCEDE POUR ALIMENTER UN DISPOSITIF SERVANT A PLANTER DES PLANTS

Publication

EP 1631140 A2 20060308 (DE)

Application

EP 04738588 A 20040603

Priority

- DE 2004001134 W 20040603
- DE 10326199 A 20030607
- DE 10336979 A 20030812

Abstract (en)

[origin: WO2004110129A2] The invention relates to a system for charging a plant transplanting device comprising at least one magazine for receiving a plurality of seedlings planted in earth; a transport device with at least one magazine receiving area for receiving the magazine filled with the plant seedlings, in addition to at least one plat delivering area comprising a feed device to the plant transplanting device, comprising a magazine delivery area for delivering the empty magazines and a moving device for transporting the magazines from the magazine receiving area to the plant delivering area and the magazine delivering area. The inventive system for charging a plant transplanting device is characterized by the following features: the magazine comprises a base surface with a plurality of parallel webs arranged vertically on said base surface, said webs configuring together with the base surface a plurality of parallel channels defined laterally and from the bottom and extending completely and continually in longitudinal direction from one end to the opposite end for receiving rows of plant seedlings. A plant ejecting device is arranged on or in the transport device, said ejecting device having at least one slider that engages in one or more channels of the magazine and that can be displaced in longitudinal direction in the channels in such a way that individual or several rows of plant seedlings can be ejected completely from the magazine in longitudinal direction of the channels.

IPC 1-7

A01C 7/04

IPC 8 full level

A01G 9/08 (2006.01); **A01G 9/10** (2006.01)

CPC (source: EP)

A01C 11/025 (2013.01); **A01G 9/086** (2013.01)

Citation (search report)

See references of WO 2004110129A2

Cited by

EP1811831B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004110129 A2 20041223; **WO 2004110129 A3 20050421**; DE 112004001494 D2 20060511; EP 1631140 A2 20060308

DOCDB simple family (application)

DE 2004001134 W 20040603; DE 112004001494 T 20040603; EP 04738588 A 20040603