Title (en)

DUAL CORN AND SOYBEAN SEED DISC

Title (de)

DUALE MAIS- UND SOJABOHNENSAATSCHEIBE

Title (fr)

DISQUE À GRAINES DOUBLE POUR MAÏS ET SOJA

Publication

EP 3136834 A4 20180110 (EN)

Application

EP 15786332 A 20150429

Priority

- US 201461985511 P 20140429
- US 2015028114 W 20150429

Abstract (en)

[origin: WO2015168198A1] A seed metering system, for use on a row crop planter, selects individual seeds from a seed reservoir and dispenses the seeds singularly at a controlled rate. A direct drive seed metering system includes a seed disc having a plurality of suction apertures with a recessed pocket adjacent to an aperture. The recessed pockets act to agitate seeds in the seed reservoir and to direct seed flow towards the apertures.
A seed path relief system provides for allowing the placement of the seeds such that they are released from an outer edge of the seed disc. An adjustable seed singulator is mounted adjacent to the face of the seed disc where inner and outer blades are adjusted radially to compensate for the singulation of various seed sizes and shapes. The seed disc is driven via engagement of an internal gear with the external gear of an independent drive motor.

IPC 8 full level

A01C 7/12 (2006.01); **A01C 7/04** (2006.01)

CPC (source: EP)

A01C 7/046 (2013.01); Y02P 60/00 (2015.11)

Citation (search report)

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- [XA] CN 201057703 Y 20080514 - JINZE LI [CN]
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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

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DOCDB simple family (application)

US 2015028114 W 20150429; EP 15786332 A 20150429