

Title (en)
SOWING DEVICE AND AGRICULTURAL SOWING AND/OR FERTILIZING MACHINE

Title (de)
SÄVORRICHTUNG UND LANDWIRTSCHAFTLICHE SÄ- UND/ODER DÜNGERMASCHINE

Title (fr)
DISPOSITIF D'ENSEMENCEMENT ET MACHINE AGRICOLE D'ENSEMENCEMENT ET/OU DE FERTILISATION

Publication
EP 4175452 A1 20230510 (DE)

Application
EP 21739101 A 20210701

Priority
• DE 102020117556 A 20200703
• EP 2021068147 W 20210701

Abstract (en)
[origin: WO2022003094A1] The invention relates to a sowing device (10) for a sowing and/or fertilizing machine, comprising: - at least one coulter (12), more particularly a single-link tine coulter, which can be arranged on a frame (R) of the sowing and/or fertilizing machine by means of at least one support arm (11) and is designed to form at least one furrow (GF) in soil (L), said furrow being suitable for the depositing of granular and/or liquid material (G); and - at least two closing and/or depth-control rollers (14a, 14b); wherein the closing and/or depth-control rollers (14a, 14b) are disposed behind the at least one coulter (12) and are mounted for rotation about respective axes of rotation (Da, Db) oriented at least substantially perpendicularly to the direction of travel (F), and wherein the closing and/or depth-control rollers (14a, 14b) each have at least one contact region (142a, 142b), which contact regions can be brought into contact with the soil (L) and are mutually spaced apart. In order to design a sowing device (10) such that the compaction of the soil (L) which is required for pressing the material (G) in question can be set particularly flexibly and simply, the closing and/or depth-control rollers (14a, 14b), more particularly their contact regions (142a, 142b), can be translated relative to each other.

IPC 8 full level
A01C 5/06 (2006.01)

CPC (source: EP)
A01C 5/066 (2013.01); **A01C 5/062** (2013.01)

Citation (search report)
See references of WO 2022003094A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020117556 A1 20220105; EP 4175452 A1 20230510; WO 2022003094 A1 20220106

DOCDB simple family (application)
DE 102020117556 A 20200703; EP 2021068147 W 20210701; EP 21739101 A 20210701