

Title (en)

METHOD AND DEVICE FOR ROW-BY-ROW APPLICATION OF PLANT PROTECTION AGENTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REIHENWEISEN APPLIKATION VON PFLANZENSCHUTZMITTEL

Title (fr)

PROCÉDÉ ET DISPOSITIF D'APPLICATION RANGÉE PAR RANGÉE D'AGENTS PHYTOSANITAIRES

Publication

EP 4027781 A1 20220720 (DE)

Application

EP 20767749 A 20200902

Priority

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- EP 2020074403 W 20200902

Abstract (en)

[origin: WO2021047968A1] The invention relates to a method for the application of spray liquid containing plant protection agents onto rows of plants, with an agricultural spraying device that comprises groups of spray nozzles, wherein the groups of spray nozzles and the spray nozzles of each group are spaced apart from one another perpendicular to a travel path of the agricultural spraying device that extends parallel to the rows of plants. The method comprises the following steps: Selecting at least one spray nozzle from at least some of the groups of spray nozzles by means of control signals of a control unit to control the spray nozzles; applying spray liquid with the selected spray nozzles onto a row of plants in each case; the spray liquid being applied from the selected spray nozzles as strip application in the form of respective strips in which the application of the spray liquid does not overlap within a nominal spray angle of directly adjacent spray nozzles of the selected spray nozzles. The invention also relates to an agricultural spray device designed to carry out the method according to the invention, and to a corresponding computer-readable medium.

IPC 8 full level

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CPC (source: EP US)

A01M 7/006 (2013.01 - US); **A01M 7/0089** (2013.01 - EP US); **B05B 1/16** (2013.01 - US); **B05B 12/124** (2013.01 - US)

Citation (search report)

See references of WO 2021047968A1

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