

Title (en)

DISPENSER FOR FORMIC ACID VAPOUR AND METHOD FOR COMBATTING MITES IN BEEHIVES

Title (de)

DISPENSER FÜR AMEISENSÄUREDAMPF UND VERFAHREN ZUR MILBENBEKÄMPFUNG IN BIENENBEUTEN

Title (fr)

DISTRIBUTEUR DE VAPEUR D'ACIDE FORMIQUE ET PROCÉDÉ DE LUTTE CONTRE LES ACARIENS DANS DES RUCHES

Publication

EP 4072282 A1 20221019 (DE)

Application

EP 19831991 A 20191209

Priority

EP 2019084252 W 20191209

Abstract (en)

[origin: WO2021115558A1] The claimed dispenser relates to the distribution of formic acid vapour in beehives to combat mites. The dispenser has an evaporation surface which is delimited by a thin, gas-permeable, highly porous membrane made from a hydrophobic material and comprises an evaporation container 1 and a reservoir 2, which is outwardly, hermetically sealed, for the treatment dose of a liquid formic acid preparation. The dimensions of the evaporation container allow it to be placed in a narrow air space of the hive, for example a comb space 3, and the evaporation surface 4 is exposed in a comb space of the brood nest or an air flow path, which is integrated into the evaporation container, for the air moving through the brood nest and/or the space between two hive bodies or between a hive body and the hive roof. In an advantageous embodiment, the dispenser is equipped with a stackable packaging, and the treatment dose of the formic acid preparation is located exclusively in the hermetically sealed reservoir. The claimed method comprises various possibilities for placing the evaporation container in the hive in close, heat-conductive connection with the brood nest. A distinguishing feature of the claimed dispenser consists in that it, in combination with the claimed method, allows a very high evaporation rate per unit area that is less dependent on the outdoor climate, and can be used without spatially extending the hive.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2021115558A1

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