

Title (en)
DEVICE TO MANAGE HONEY BEE'S SWARMING

Title (de)
VORRICHTUNG ZUR VERWALTUNG DES AUSSCHWÄRMENS VON HONIGBIENEN

Title (fr)
DISPOSITIF PERMETTANT DE GÉRER L'ESSAIMAGE DES ABEILLES

Publication
EP 3250028 A4 20181226 (EN)

Application
EP 16742838 A 20160120

Priority
• HU P1500030 A 20150129
• HU 2016000005 W 20160120

Abstract (en)
[origin: WO2016120649A2] 1. A beekeeping device (1) suitable for comprehensively managing the whole swarming process of honey bees, for detecting swarming and capturing swarms, further dividing the parent colony after swarming, and also for preventing further swarming, which device is made of metal, wood, plastic or their combination, can be mounted on the hive and easily detached from it (1), which device includes at least one queen trap (4) and at least one moving gate (7) and worker bees can constantly pass through the entrances (2) of the device (1), but upon swarming, the queen cannot leave the device (1) through its entrances (2), characterised by that the device (1), with its at least one integrated sensor (5), can detect the swarming-specific accumulation of bees on and about the queen trap (4) or the presence of the formerly marked queen, whose marking is matched to the sensor (5) in the device (1), by that there is a control unit (6) in the device (1) that is connected to the sensor (5) and will put the moving gate (7) into operation upon the detection of swarming and prevent the swarming bees from returning into the hive by operating the moving gate, by that the device (1) will open the dividing tunnel (12), integrated in the device (1) and closed down until swarming, for the bees wishing to leave the hive, and the dividing tunnel (12) integrated in the device (1) will guide the bees after swarming to the outlet of the dividing tunnel (15) placed at a considerable distance from the entrances (2), by that by modifying the geometry of the outlet of the dividing tunnel (15), the bees entering the device (1) from the hive that instinctively orient themselves towards the outlet of the dividing tunnel (15) after swarming can be divided repeatedly, and this division can be continued as long as the parent colony abandons its swarming impulse.

IPC 8 full level
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CPC (source: EP HU)
A01K 29/005 (2013.01 - EP); **A01K 47/00** (2013.01 - HU); **A01K 47/06** (2013.01 - EP); **A01K 57/00** (2013.01 - EP HU)

Citation (search report)
• [AD] US 1896925 A 19330207 - VIKLA MATHIAS R
• [A] SU 1021447 A1 19830607 - EGIN NIKOLAJ L
• [AD] GB 578919 A 19460717 - GILBERT ARTHUR RICHARD TOMES

Designated contracting state (EPC)
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WO 2016120649 A2 20160804; **WO 2016120649 A3 20170302**; EP 3250028 A2 20171206; EP 3250028 A4 20181226; HU 231081 B1 20200928; HU P1500030 A2 20160829

DOCDB simple family (application)
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