Title (en)
AUTOMATIC BEEHIVES

Title (de)
AUTOMATISCHE BIENENSTÖCKE

Title (fr)
RUCHES AUTOMATIQUES

Publication
EP 3694313 A4 20201202 (EN)

Application
EP 18876119 A 20181113

Priority
• US 201762584952 P 20171113
• IL 2018051223 W 20181113

Abstract (en)
[origin: WO2019092731A1] An automatic unit for one or several beehives for commercial or recreational beekeeping including honey production and pollination services comprises: (a) a plurality of bee frames (honeycomb, brood frames and other bee frames) releasably mounted within at least one hive chamber; (b) a mechanism for removing the bee frames from the hive chamber and inserting the bee frames thereinto; (c) an automated honey harvesting arrangement; (d) an arrangement for monitoring bees conditions, analyzing obtained data and reporting results to a user; and (e) an arrangement for feeding bees, pest and climate control. The mechanism for removing and inserting the bee frames comprises a frame loader linearly displaceable along at least one hive chamber.

IPC 8 full level
A01K 47/06 (2006.01); **A01K 59/00** (2006.01); **A01K 59/04** (2006.01)

CPC (source: EP IL)
A01K 29/005 (2013.01 - EP IL); **A01K 47/00** (2013.01 - EP IL); **A01K 47/02** (2013.01 - IL); **A01K 47/06** (2013.01 - EP IL);
A01K 51/00 (2013.01 - EP IL); **A01K 59/00** (2013.01 - EP IL); **A01K 59/04** (2013.01 - EP IL)

Citation (search report)
• [XA] KR 20120060253 A 20120612 - YU UN HEUI [KR]
• [XA] CN 205511589 U 20160831 - UNIV KUNMING SCIENCE & TECHNOLOGY
• [XA] CN 205511592 U 20160831 - UNIV KUNMING SCIENCE & TECHNOLOGY
• See also references of WO 2019092731A1

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

DOCDB simple family (publication)
WO 2019092731 A1 20190516; CN 111343862 A 20200626; CN 111343862 B 20210625; EP 3694313 A1 20200819; EP 3694313 A4 20201202;
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IL 2018051223 W 20181113; CN 201880073417 A 20181113; EP 18876119 A 20181113; EP 22197442 A 20181113; EP 22197464 A 20181113;
IL 27461320 A 20200512