

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)
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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)
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BA ME

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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;
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