

Title (en)

VERTICAL GROWING TOWER FOR AUTOMATED HORTICULTURE AND AGRICULTURE

Title (de)

VERTIKALER WACHSTUMSTURM FÜR AUTOMATISIERTEN GARTENBAU UND AUTOMATISIERTE LANDWIRTSCHAFT

Title (fr)

TOUR DE CULTURE VERTICALE POUR HORTICULTURE ET AGRICULTURE AUTOMATISÉES

Publication

**EP 3840564 A1 20210630 (EN)**

Application

**EP 19852473 A 20190821**

Priority

- US 201816106733 A 20180821
- CA 2019051145 W 20190821

Abstract (en)

[origin: WO2020037417A1] A method and apparatus for continuous automated growing of plants utilizes a vertical array of plant supporting arms extending radially from a central column. The apparatus is located in proximity to an external source of natural or artificial light. Each arm has a plurality of plant receiving trough elements which receive the plant seedling and liquid nutrients and water. The plant supporting arms rotate on the hollow column which is motor-driven and supported on a bearing mounted on a fixed central pipe at its upper end. The central pipe is fixed to a concrete base or post buried in the supporting surface. Water drains from the radially inward end of each arm into the central column.

IPC 8 full level

**A01G 27/00** (2006.01); **A01G 9/02** (2018.01); **A01G 9/20** (2006.01); **A01G 31/06** (2006.01)

CPC (source: EP KR)

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Designated extension state (EPC)

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