

1) Family number: 72485244 (WO18229486A1)

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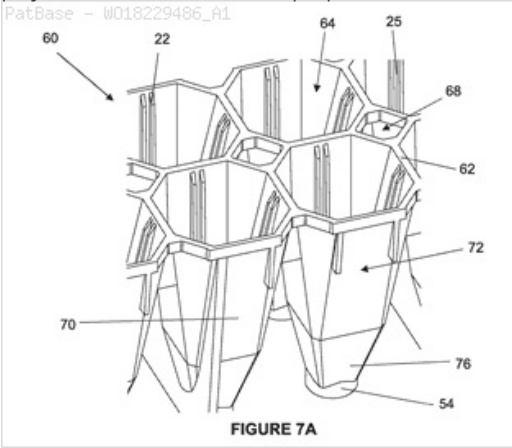
Title: CONTAINER AND PLANT TRAY

Abstract: A container for propagating or growing plants is configured to receive a substrate for propagating plants and comprises a drain hole, an inclined side wall, and a plurality of ribs positioned on the side wall and extending into the container. At least two ribs are arranged close to and parallel to one another, defining a channel therebetween through which air may flow, in use, when the container contains a substrate. In a plant tray comprising an array of cells, at least one cell comprises a rim, arranged around the drain hole on the underside of the cell, in which a thickness of the rim is greater than a thickness of the side wall. A plant tray comprising an array of cells having octagonal cell openings comprises a plurality of vents arranged between the cells and configured to allow air to flow through the tray top. A plant tray comprising vents in the tray top comprises vent rims arranged around the circumferences of the vents, the vent rims being configured to project downwards from the tray top.

Classifications:

International (IPC 8-9): A01G9/029 (Advanced/Invention)

CPC: A01G9/0295



Family:

Publication number	Publication date	Application number	Application date
WO18229486 A1	20181220	WO2018GB51623	20180613

Priority:

US20170519108P 20170613

Probable Assignee: INT PLANT PROPAGATION TECH LTD

Assignee(s): (std): INT PLANT PROPAGATION TECH LTD

Assignee(s): INT PLANT PROPAGATION TECHNOLOGY LTD

Inventor(s): (std): COOLEY JOHN

Agent(s): REDDIE AND GROSE LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 54511975 (ZA201402628A)

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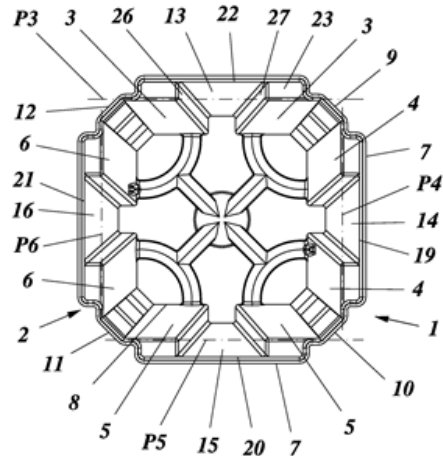
Title: A CELL AND A TRAY FOR PLANT PROPAGATION

Abstract: A cell (1) for a seedling tray has a tubular body (2) with cell sides (3-6) forming an open upper end (7) and an at least partly open lower end (8) and cell corner portions (9-12) between each of said cell sides, whereby inwardly facing channels (13-16) extend along said cell sides from the upper end and to the lower end of the cell and are provided at least mainly outside a main plane (P3-P6) of the respective cell side. Trays for such cells are also provided.

Classifications:

International (IPC 8-9): A01G A01G9/02 A01G9/10 (Advanced/Invention)

CPC: A01G9/0295

FIG. 6**Family:**

Publication number	Publication date	Application number	Application date
CN104185418 A	20141203	CN201280068648	20120202
CN104185418 B	20161026	CN201280068648	20120202
IN01591KN2014 A	20151023	IN2014KN01591	20140729
WO13115689 A1	20130808	WO2012SE50103	20120202
ZA201402628 A	20151125	ZA20140002628	20120202

Priority:

WO2012SE50103 20120202 ZA20140002628 20120202

Probable Assignee: BJOERKEMAR CONSTRUCTION AND CONSULTING BCC AB

Assignee(s): (std): BJOERKEMAR CONSTRUCTION AND AMP ; BJOERKEMAR CONSTRUCTION AND CONSULTING BCC AB ; BJOERKEMAR HANS ; PERSSON TOBIAS ; BJORKEMAR CONSTRUCTION AND CONSULTING BCC AB

Assignee(s): BJOERKEMAR CONSTRUCTION AND ; ELECTROVAYA INC

Inventor(s): (std): PERSSON TOBIAS ; BJOERKEMAR HANS ; BJORKEMAR HANS

Agent(s): AROS PATENT AB

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 43347131 (WO10103276A1)

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Title: PLANT FRAME AND METHOD

Abstract: A plant frame (2) consists of an array of cells (8), each for containing compost for propagating a plant. The frame can be either stacked on or nested with a similar frame. The frame is provided with a stacking apparatus (50, 52, 54, 56, 58, 60, 62, 64) comprising a stacking abutment (32) spaced beneath an upper surface (10) of the frame, and a corresponding opening (34) defined in the upper surface of the frame above the stacking abutment. When the frame is placed on top of the similar frame in a nesting orientation of the frame relative to the similar frame, the stacking abutment passes through the corresponding opening in the upper surface of the similar frame, and the frames nest with their upper surfaces relatively closely spaced one above the other. When the frame is placed on top of the similar frame in a stacking orientation of the frame relative to the similar frame, the stacking abutment seats on a seat portion of the similar frame, so that the frames stack with their upper surfaces further apart than when they are nested.

Classifications:

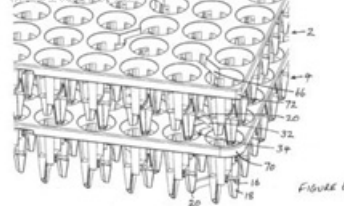
International (IPC 8-9): A01G9/02 A01G9/10

B65D21/04 (Advanced/Invention);

A01G9/02 A01G9/10 B65D21/04 (Core/Invention)

CPC: A01G9/0295

European: A01G9/02G A01G9/10G

**Family:**

Publication number	Publication date	Application number	Application date
GB200904420 A0	20090429	GB20090004420	20090313
WO10103276 A1	20100916	WO2010GB00435	20100311

Priority:

GB20090004420 20090313

Probable Assignee: COOLEY JOHN N**Assignee(s):** (std): COOLEY JOHN N ; COOLEY JOHN NEWSOME**Inventor(s):** (std): COOLEY JOHN NEWSOME**Agent(s):** GOODMAN SIMON JOHN NYE**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**4) Family number: 42797393 (WO10052472A1)**

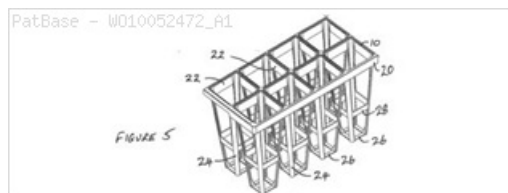
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Title: AIR-PRUNING APPARATUS AND METHOD

Abstract: A plant-propagation tray (2) has a plurality of cells, generally arranged in a regular array such as a rectangular array, for receiving soil or a growing medium for growing plants. At least some cells of the tray have foot-portions (26) such that, in use, when the tray is positioned on a substantially flat or level surface, the foot-portions (26) contact the surface to support the tray (2) such that a lower end of each cell is spaced above the surface, to permit ventilation beneath and around the soil or growing medium contained in each cell. This may advantageously enhance air pruning of roots of plants grown in the soil or growing medium.

Classifications:**International (IPC 8-9):** A01G9/10 (Advanced/Invention);

A01G9/10 (Core/Invention)

CPC: A01G9/0295**European:** A01G9/10G**Family:**

Publication number	Publication date	Application number	Application date
GB200820446 A0	20081217	GB20080020446	20081107
GB200904301 A0	20090422	GB20090004301	20090312
WO10052472 A1	20100514	WO2009GB02624	20091106

Priority:

GB20080020446 20081107 GB20090004301 20090312

Probable Assignee: COOLEY JOHN**Assignee(s):** (std): COOLEY JOHN ; COOLEY JOHN N ; COOLEY JOHN NEWSOME**Inventor(s):** (std): COOLEY JOHN NEWSOME**Agent(s):** GOODMAN SIMON JOHN NYE**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**5) Family number: 57465869 (US2016044874A)**

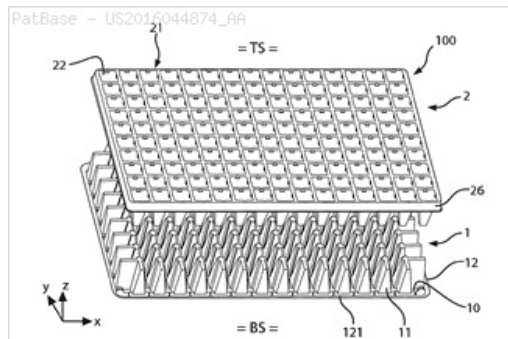
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Title: DOUBLE TRAY SYSTEM FOR SEED SOWING OR SEEDLING TRANSPLANTATION

Abstract: Thermoformed double tray system for cultivation of plants including a top tray which is stacked with a bottom tray. The top tray has cells for receiving a substrate. The bottom tray provides rigidity to the double tray system. The bottom tray has a baseplate which is provided with support elements to support the top tray. The baseplate has an outer edge which defines the outer contour of the bottom tray. A groove shaped deepening in the baseplate is extending in parallel with the outer edge. The deepening increases a bending stiffness of the bottom tray and provides rigidity to the double tray system. The deepening is provided with a reinforcing ribs which cross the deepening.

Classifications:**International (IPC 8-9):** A01G9/02 A01G9/029

A01G9/10 (Advanced/Invention)

CPC: A01G9/028 A01G9/0295**US:** 47/66.5

Family:

Publication number	Publication date	Application number	Application date
CN205284352 U	20160608	CN201490000750U	20140321
EP2975925 A1	20160127	EP20140720495	20140321
NL2010495 C	20140924	NL20132010495	20130321
NL2010495 C2	20140924	NL20132010495	20130321
US2016044874 AA	20160218	US20140778689	20140321
US10206335 BB	20190219	US20140778689	20140321
WO14147250 A1	20140925	WO2014EP55766	20140321

Priority:

NL20132010495 20130321 WO2014EP55766 20140321

Probable Assignee: KORKODILOS AGGELOS

Assignee(s): (std): AGGELOS KORKODILOS ; KORKODILOS AGGELOS ; LAKOVOS TSONAKIS ; TSONAKIS IAKOVOS

Inventor(s): (std): TSONAKIS IAKOVOS ; KORKODILOS AGGELOS ; LAKOVOS TSONAKIS ; AGGELOS KORKODILOS

Agent(s): EP AND C; BIRCH STEWART KOLASCH AND BIRCH LLP; HOLLAAR C ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 41668106 (US2008078119A)

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Title: PLANT STARTER CELL CONTAINER ARRAY RACK

Abstract: A set of stackable plant starter cell trays in which each of the plant trays include a plurality of inwardly tapering starter cell sockets for removable insertion of plant starter cells. Each of the plant trays has upper and lower leg connection means for the removable insertion of support legs, and each of the support legs is adapted for removable insertion into one of the leg connection means.

Classifications:

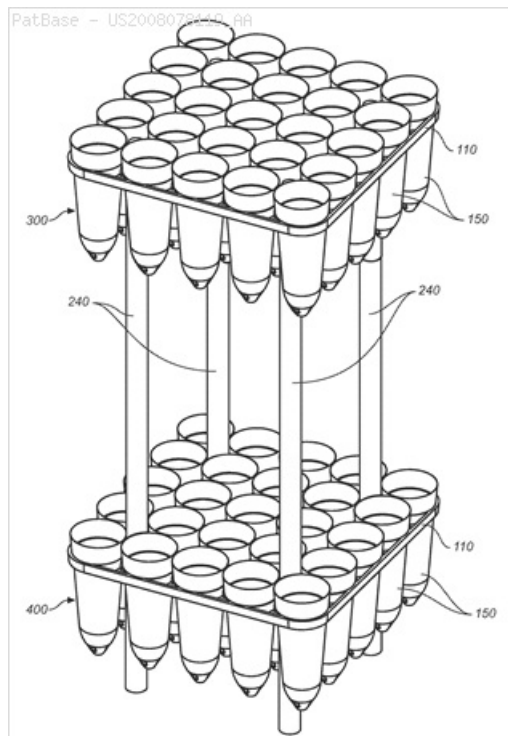
International (IPC 8-9): A01G9/02 (Advanced/Invention);

A01G9/02 (Core/Invention)

CPC: A01G9/0293 A01G9/0297

European: A01G9/10E A01G9/10H

US: 47/66.5

**Family:**

Publication number	Publication date	Application number	Application date
US2008078119 AA	20080403	US20070864351	20070928

Priority:

US20060827616P 20060929 US20070864351 20070928

Probable Assignee:

HANSEN THOMAS C

Assignee(s): (std): HANSEN THOMAS C ; NEMCIK THOMAS

Inventor(s): (std): HANSEN THOMAS C ; NEMCIK THOMAS

Agent(s): STAINBROOK AND STAINBROOK LLP

Title: Seed-starter cell and tray for starting plants

Abstract: a starter cell for starting a plant has a first opening at the topmost portion of the cell for facilitating plant seeding and growth, a second opening at the bottommost portion of the cell for facilitating root passage for air pruning of the root, and a plurality of inward-facing ridges formed vertically along the cell walls and along any cell comers. The cell is characterized in that the ridges are strategically placed to guide developing roots to avoid twisting and balling. In some embodiment the ridges have feet to provided for stacking, for example.

Classifications:

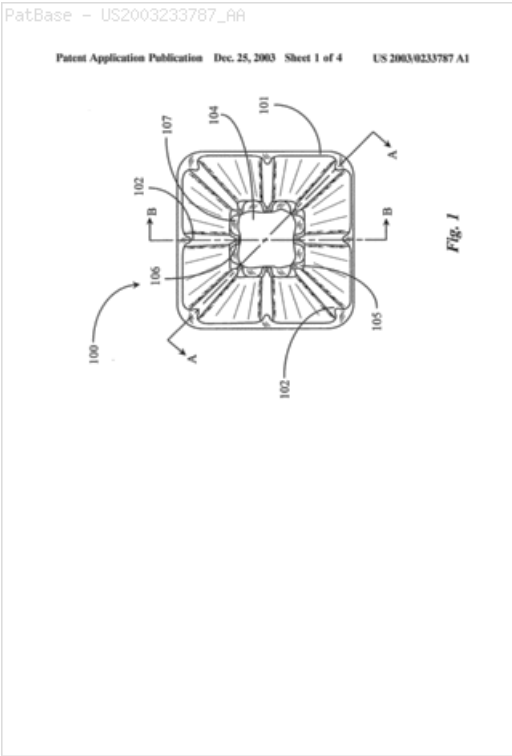
International (IPC 8-9): A01G9/02 A01G9/10 (Advanced/Invention);
A01G9/02 A01G9/10 (Core/Invention)

International (IPC 1-7): A01G9/10

CPC: A01G9/021

European: A01G9/02B A01G9/10

US: 47/77 47/770 47/87



Family:

Publication number	Publication date	Application number	Application date
US2003233787 AA	20031225	US20020177813	20020620
US6901699 BB	20050607	US20020177813	20020620

Priority:

US20020177813 20020620

Probable Assignee: HARTMAN GARY RAYMOND

Assignee(s): (std): HARTMAN GARY RAYMOND

Inventor(s): (std): HARTMAN GARY RAYMOND

Agent(s): CENTRAL COAST PATENT AGENCY; BOYS DONALD R; DONALD R