

Title (en)
PLANT CULTIVATION APPARATUS WITH UNIFORM FLUID DISPENSING SYSTEM

Title (de)
PFLANZENZUCHTVORRICHTUNG MIT EINEM SYSTEM ZUR GLEICHMÄSSIGEN FLUIDABGABE

Title (fr)
APPAREIL DE CULTURE DE PLANTES AVEC SYSTÈME DE DISTRIBUTION DE FLUIDE UNIFORME

Publication
EP 2343965 A1 20110720 (EN)

Application
EP 09812513 A 20090526

Priority
• AU 2009000652 W 20090526
• AU 2008100902 A 20080915

Abstract (en)
[origin: WO2010028420A1] A plant cultivation apparatus (10) that dispenses a uniform amount of fluid from a reservoir (14) to each of a plurality of plant receptacles (34) in apertures (32) by way of an open channel irrigation system. The system includes a first fluid dispensing unit (16) of a disc or saucer with concentric rings (76) about a central aperture (70); a second fluid dispensing unit (18) of a hollow cylinder (80) extending from a circular base (82) that has dispensing channels (84); and a valve (20) operated by a controller unit (21). The fluid from the dispensing channels is delivered by gravity to the plant receptacles via a respective shallow reservoir (36) and open channel conduit (38). The conduit is square shaped in cross section and can have a dividing projection (46) projecting upward from a centre location on the base wall (42) and extending along the length of the conduit.

IPC 8 full level
A01G 27/00 (2006.01); **A01G 9/02** (2006.01)

CPC (source: EP)
A01G 9/025 (2013.01); **A01G 27/005** (2013.01); **Y02P 60/20** (2015.11)

Citation (search report)
See references of WO 2010028420A1

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