

Title (en)

METHOD AND SYSTEM FOR GROWING PLANTS

Title (de)

METHODE UND SYSTEM FÜR DIE ANZUCHT VON PFLANZEN

Title (fr)

PROCÉDÉ ET SYSTÈME PERMETTANT DE CULTIVER DES PLANTES

Publication

EP 2129211 A1 20091209 (EN)

Application

EP 07747257 A 20070315

Priority

NL 2007000073 W 20070315

Abstract (en)

[origin: WO2008111830A1] In a method for growing plants in a controlled environment, a first plant is positioned in a first controlled environment (12) and a second plant is positioned in a second controlled environment (16). In order to lower an energy-consumption, the method comprises - during a first time period, providing a day-time lighting condition in the first controlled environment (12) and nighttime lighting condition in the second controlled environment (16); - during a second time period, providing the night-time lighting condition in the first controlled environment (12) and the daytime lighting condition in the second controlled environment (16); and - exchanging heat between the first controlled environment and the second controlled environment for controlling a temperature in the first controlled environment and a temperature in the second controlled environment. The first time period and the second time period are alternated. Thus, for example, during daytime, heat is received from sunlight in the first environment (12) and the heat may be spread through both the first and the second controlled environment (16). Further, for example, during nighttime, lighting is provided in the second environment for generating a daytime lighting condition, thereby generating heat, which heat may be spread through both environments (12,16). The present invention further provides a construction configured for performing the method.

IPC 8 full level

A01G 9/24 (2006.01)

CPC (source: EP)

A01G 9/1423 (2013.01); **A01G 9/246** (2013.01); **Y02A 40/25** (2017.12)

Citation (search report)

See references of WO 2008111830A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008111830 A1 20080918; EP 2129211 A1 20091209

DOCDB simple family (application)

NL 2007000073 W 20070315; EP 07747257 A 20070315