

Title (en)

METHOD FOR THE IMPROVEMENT OF PLANT-PRODUCTION

Title (de)

VERFAHREN ZUR VERBESSERUNG VON PFLANZENPRODUKTION

Title (fr)

MÉTHODE POUR L'AMÉLIORATION DE LA PRODUCTION D'UNE PLANTATION

Publication

EP 2243061 A2 20101027 (EN)

Application

EP 09702474 A 20090113

Priority

- RS 2009000003 W 20090113
- RS P20080016 A 20080114

Abstract (en)

[origin: WO2009091274A2] This invention falls in the sphere of electrical illumination and definitely refers to 'Appliance and procedure of illumination intended for improvement of plant production in protected environment'. This factual invention has resolved the technical problem of additional illumination with adequate regulation that efficiently leads to increased growth and quality of plant production in plastic green and plastic houses. This invention has created balanced conditions for work and production of high level of autonomy with regard to external factors, efficient CO₂ supply, luminous effects on fruit composition and quality with high phytopreventive protection. This has been accomplished in such a way that the appliance consists of the following: computer (1) with interface (2), control assembly (3), supply assembly (4), fan (5), and the primary (distribution network) (8). Control assembly (3) is made of the subassembly (9) for the creation of required signals, subassembly (10) for the regulation of the numerical proportion of impulses of single colors - specters in two operational aspects and exit frequencies and subassembly (11) for manual selection and data entry.

IPC 8 full level

G05D 25/02 (2006.01)

CPC (source: EP)

A01G 9/249 (2019.04)

Citation (search report)

See references of WO 2009091274A2

Citation (examination)

- WO 2007147242 A1 20071227 - THEOREME INNOVATION INC [CA], et al
- US 5278432 A 19940111 - IGNATIUS RONALD W [US], et al
- US 2002101198 A1 20020801 - KEMP WILLIAM HARRY [CA]
- EP 1859673 A1 20071128 - TOKUJU KOGYO CO LTD [JP]

Cited by

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

RS 2009000003 W 20090113; EP 09702474 A 20090113; RS P20080016 A 20080114; RU 2010133508 A 20090113