

Title (en)

PLANT-DERIVED CELL AGGREGATE, PLANT GRANULATE, PRODUCTION AND USE THEREOF.

Title (de)

VON PFLANZEN ABGELEITETES ZELLENAGGREGAT, PFLANZENKÖRNCHE, DEREN HERSTELLUNG UND VERWENDUNG.

Title (fr)

AGREGAT DE CELLULES DERIVEES DES PLANTES, GRANULE VEGETAL, PRODUCTION ET UTILISATION.

Publication

EP 0059729 A1 19820915 (EN)

Application

EP 81902475 A 19810911

Priority

GB 8029607 A 19800912

Abstract (en)

[origin: WO8201010A1] A plant-derived cell aggregate, comprising a plurality of undifferentiated cells is disclosed, as is a plant granulate comprising a plurality of such aggregates. A process for the production of such an aggregate comprising establishing a series of cell cultures providing a range of absolute and relative amounts of cytokinin and auxin, agitating the cultures and selecting the culture(s) exhibiting the desired aggregation is also disclosed. A biosynthesis or biotransformation comprising using such a plant granulate as a catalyst is further disclosed. The present invention affords numerous advantages over conventional cell culture techniques and the use of the resulting cultures in biosynthetic systems.

Abstract (fr)

Agregat de cellules derivees des plantes comprenant une pluralite de cellules non differenciees, granule vegetal comprenant une pluralite de ces agregats. Un procede de production d'un tel agregat consiste a etabli une serie de cultures de cellules pour obtenir une gamme de quantites absolues et relatives de cytokinine et d'auxine, a agiter les cultures et a selectionner la (les) culture (s) presentant l'agregation desiree. Une biosynthese ou biotransformation consistant a utiliser un tel granule vegetal comme catalyseur est egalement decrit. L'invention presente de nombreux avantages par rapport aux techniques de cultures de cellules conventionnelles et l'utilisation des cultures resultantes dans des systemes de biosynthese.

IPC 1-7

C12N 5/00; C12N 11/16; C12P 1/00

IPC 8 full level

A61K 36/18 (2006.01); **A61K 36/23** (2006.01); **A61K 36/24** (2006.01); **A61K 36/48** (2006.01); **A61K 36/81** (2006.01); **C12N 5/00** (2006.01); **C12N 5/04** (2006.01); **C12N 11/16** (2006.01); **C12P 1/00** (2006.01); **C12P 19/44** (2006.01)

CPC (source: EP)

C12N 1/00 (2013.01); **C12N 5/0025** (2013.01); **C12N 5/04** (2013.01); **C12N 11/16** (2013.01); **C12R 2001/91** (2021.05)

Designated contracting state (EPC)

AT CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

WO 8201010 A1 19820401; BE 890317 A 19820311; DK 212082 A 19820511; EP 0059729 A1 19820915; IL 63809 A0 19811231; IL 63809 A 19850830; JP S57501360 A 19820805

DOCDB simple family (application)

GB 8100186 W 19810911; BE 205936 A 19810911; DK 212082 A 19820511; EP 81902475 A 19810911; IL 6380981 A 19810913; JP 50293681 A 19810911