

Title (en)
METHODS, ARTICLES AND SYSTEMS FOR DELIVERING SUPERABSORBENT POLYMERS IN AGRICULTURAL SETTINGS

Title (de)
VERFAHREN, ARTIKEL UND SYSTEME ZUR FREISETZUNG SUPERSAUGFÄHIGER POLYMERE IN LANDWIRTSCHAFTLICHER UMGEBUNG

Title (fr)
PROCÉDÉS, ARTICLES ET SYSTÈMES POUR DISTRIBUER DES POLYMÈRES SUPERABSORBANTS DANS DES CONTEXTES AGRICOLES

Publication
EP 1973954 A2 20081001 (EN)

Application
EP 07716719 A 20070117

Priority

- US 2007001216 W 20070117
- US 33363106 A 20060117
- US 33361906 A 20060117
- US 33313006 A 20060117
- US 33312906 A 20060117

Abstract (en)
[origin: WO2007084550A2] Methods, articles, systems and compositions for delivering and administering superabsorbent polymer ("SAP") products in agricultural applications is disclosed. In one embodiment, the delivery system comprises a horticulture mat that may include two cellulose substrate sheets bonded together with SAP particles disposed between the sheets. In another embodiment, a delivery article comprises a porous, biodegradable packet containing SAP particles. In yet another embodiment, a delivery article is described dispensing a SAP hydrogel. In a further embodiment, root dip composition and methods of delivery a SAP hydrogel to a plant are described.

IPC 8 full level
C08B 37/00 (2006.01); **C05G 5/16** (2020.01)

CPC (source: EP US)
A01G 24/35 (2018.01 - EP); **A01G 24/50** (2018.01 - EP); **A01G 29/00** (2013.01 - EP); **A01N 25/00** (2013.01 - EP); **A01N 25/10** (2013.01 - EP); **A01N 25/34** (2013.01 - EP US); **C05G 3/80** (2020.02 - EP); **C05G 5/16** (2020.02 - EP US); **A01C 1/044** (2013.01 - EP)

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007084550 A2 20070726; WO 2007084550 A3 20071122; BR PI0706548 A2 20110329; EP 1973954 A2 20081001; EP 1973954 A4 20100526

DOCDB simple family (application)
US 2007001216 W 20070117; BR PI0706548 A 20070117; EP 07716719 A 20070117