

Title (en)

APPARATUS AND METHOD FOR DELIVERING BENEFICIAL LIQUIDS AT A CONSISTENT RATE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ABGABE VON HEILFLÜSSIGKEITEN BEI GLEICHBLEIBENDER FLUSSRATE

Title (fr)

APPAREIL ET PROCÉDÉ PERMETTANT DE FOURNIR DES LIQUIDES BÉNÉFIQUES À UNE VITESSE RÉGULIÈRE

Publication

EP 2861522 A1 20150422 (EN)

Application

EP 13804772 A 20130606

Priority

- US 201213523015 A 20120614
- US 2013044417 W 20130606

Abstract (en)

[origin: WO2013188199A1] An apparatus (1) for providing controlled delivery of a beneficial agent (2) is disclosed. In one embodiment, such an apparatus (1) includes a water chamber (8) and a filter to produce filtered water by removing impurities from water introduced into the water chamber. A water-transporting membrane transports filtered water from the water chamber (8) to an extraction chamber, thereby expanding the extraction chamber. The extraction chamber contains an osmagent that provides the driving force to pull the filtered water through the water-transporting membrane. As the extraction chamber expands, a dispensing chamber containing a beneficial agent (2) contracts. This causes the beneficial agent to be expelled through a port (10) in communication with the dispensing chamber. A corresponding method is also disclosed.

IPC 8 full level

B67D 7/72 (2010.01); **A01C 23/02** (2006.01); **A61L 9/12** (2006.01); **B01D 61/00** (2006.01); **B65D 81/32** (2006.01)

CPC (source: EP)

A61L 9/127 (2013.01); **A61L 2209/11** (2013.01)

Citation (search report)

See references of WO 2013188199A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013188199 A1 20131219; EP 2861522 A1 20150422

DOCDB simple family (application)

US 2013044417 W 20130606; EP 13804772 A 20130606