

Title (en)
PROSTATE GLOVE

Title (de)
PROSTATAHANDSCHUH

Title (fr)
GANT DE PROSTATE

Publication
EP 2914176 A1 20150909 (EN)

Application
EP 13852114 A 20131009

Priority

- US 201213663879 A 20121030
- US 201213663883 A 20121030
- US 201213663875 A 20121030
- US 201213663888 A 20121030
- US 201213663881 A 20121030
- US 201213663877 A 20121030
- US 201213663890 A 20121030
- US 2013063986 W 20131009

Abstract (en)

[origin: WO2014070393A1] Systems and methods are provided herein that generally involve measuring a prostate or other object. In some embodiments, a membrane can be sealed over a digit extension to form a closed volume. The closed volume can be inflated via an inflation tube, and a reference pattern can be disposed within the closed volume along with a measurement assembly. In use, a user can put on the glove, position the membrane in proximity to a rectal wall overlying a prostate, and inflate the membrane. As the user slides their finger across the rectal wall, optical fibers in the measurement assembly can move relative to a reference pattern, and a controller can sense light reflected through the fibers from the reference pattern. The controller can calculate or estimate various attributes of the prostate based on the reflected light, such as the palpable surface width or volume.

IPC 8 full level
A61B 5/20 (2006.01); **A61B 5/00** (2006.01)

CPC (source: EP)
A61B 5/0084 (2013.01); **A61B 5/4381** (2013.01); **A61B 5/6806** (2013.01); **A61B 5/6826** (2013.01); **A61B 2562/0238** (2013.01); **A61B 2562/228** (2013.01)

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 2014070393 A1 20140508; AU 2013338467 A1 20150430; CA 2890985 A1 20140508; EP 2914176 A1 20150909; EP 2914176 A4 20160608

DOCDB simple family (application)
US 2013063986 W 20131009; AU 2013338467 A 20131009; CA 2890985 A 20131009; EP 13852114 A 20131009