Title (en)

SOFT BODY CATHETER WITH LOW FRICTION LUMEN

Title (de)

WEICHKÖRPERKATHETER MIT LUMEN MIT GERINGER REIBUNG

Title (fr)

CATHÉTER À CORPS SOUPLE AVEC LUMIÈRE À FAIBLE FROTTEMENT

Publication

EP 2205290 A2 20100714 (EN)

Application

EP 08845498 A 20081003

Priority

- US 2008011435 W 20081003
- US 98118207 A 20071031
- US 98097607 A 20071031

Abstract (en)

[origin: WO2009058186A2] The disclosure is directed to radiation catheter devices, methods for controlled application of irradiation to tissue at a body site, such as a cavity formed after removal of tissue, e.g. cancer, using such radiation catheter devices, solutions for forming a more lubricious luminal surface and method for lining lumens of such devices to improve the frictional characteristics thereof. The catheter device includes a flexible elongated shaft which is formed of low durometer polymeric material, which can be readily folded or coiled for securing the shaft to or under the skin of the patient and a radiation lumen lined with high durometer polymeric material and finely divided particulate to improve the frictional characteristics. The elongated shaft has at least one inner lumen for receiving a radiation source which has a layer of high durometer polymeric material that provides lower surface friction to facilitate advancement of a radiation source therein.

IPC 8 full level

A61L 29/06 (2006.01); **A61L 29/14** (2006.01)

CPC (source: EP)

A61L 29/06 (2013.01); **A61L 29/085** (2013.01); **A61L 29/14** (2013.01); **A61L 29/18** (2013.01); A61L 2420/06 (2013.01)

Citation (search report)

See references of WO 2009058186A2

Citation (examination)

- US 6390992 B1 20020521 - MORRIS JOY E [US], et al
- EP 1541188 A1 20050615 - IST CORP [JP]

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009058186 A2 20090507; **WO 2009058186 A3 20100318**; EP 2205290 A2 20100714

DOCDB simple family (application)

US 2008011435 W 20081003; EP 08845498 A 20081003