

Title (en)

MEDICAL DEVICE DELIVERY SYSTEM WITH SHEATH HAVING BALLOON-RELATIVE POSITION

Title (de)

MEDIZINPRODUKT-ABGABESYSTEM MIT SCHLEUSE MIT BALLON-RELATIVER POSITION

Title (fr)

SYSTÈME DE MISE EN PLACE D'APPAREIL MÉDICAL AVEC GAINÉ ET POSITION RELATIVE DU BALLON

Publication

EP 2170230 A1 20100407 (EN)

Application

EP 08771745 A 20080623

Priority

- US 2008067898 W 20080623
- US 76619807 A 20070621
- US 92995807 A 20071030
- US 93063407 A 20071031

Abstract (en)

[origin: WO2008157830A1] A delivery system for delivering a self- expanding medical device such as a stent (16) includes the stent mounted on a balloon portion (30) of a catheter. A sheath (18,40) is provided around the stent to hold the device in place in a compressed state. A portion of the sheath (42,44) is positioned at a predetermined location, or within a predetermined range of locations, on the circumference of the sheath. The predetermined location or range of locations are determined with respect to a configuration of the balloon portion. The sheath may be profiled or shaped to reduce instances of interference between a distal edge of the sheath and a vessel or with any lesion or lesions that might be present in the vessel. The sheath is formed by modifying a cylinder of sheath material to include three portions and an initiation slit (602) that controls the rupturing of the sheath to facilitate delivery of the medical device.

IPC 8 full level

A61F 2/958 (2013.01); **A61F 2/97** (2013.01)

CPC (source: EP)

A61F 2/958 (2013.01); **A61M 25/1038** (2013.01); **A61F 2/97** (2013.01); **A61F 2002/9583** (2013.01)

Citation (search report)

See references of WO 2008157830A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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