

Title (en)

CONTROLLED STIFFNESS GUIDEWIRE UNIT

Title (de)

GESTEUERT VERSTEIFBARE FÜHRUNGSDRAHT EINHEIT

Title (fr)

ENSEMBLE FIL DE GUIDAGE POUVANT ÊTRE RENFORCÉ DE MANIÈRE RÉGLÉE

Publication

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Application

EP 07764532 A 20070515

Priority

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- DE 102006024094 A 20060517

Abstract (en)

[origin: WO2007131766A2] The invention relates to a guidewire unit comprising a section (V) which can be stiffened in a manner controlled by a pressure medium, said section having a pressure channel for the controlled production of a stiffening pressure by introducing a pressure medium (11) and flexible stiffening elements that are forced one against the other in a manner increasing the stiffening effect when subjected to a pressure load by the effect of the stiffening pressure. The guidewire unit according to the invention comprises flexible stiffening elements which have an inner stiffening tube part and a radially less flexible outer stiffening tube part surrounding the same. Under the effect of the stiffening pressure, the inner stiffening tube part is forced against the interior of the outer stiffening tube part, thereby increasing the stiffening effect. According to the invention, a distal end section can be mounted distally and/or a stiff section can be mounted proximally in front of the controlled stiffness section. A center guidewire core may extend in the controlled stiffness section. The guidewires according to the invention can be used as e.g. guidewires for positioning medical catheters.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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