

Title (en)
METHODS AND DEVICES FOR PLACING A CONDUIT IN FLUID COMMUNICATION WITH A TARGET VESSEL AND A SOURCE OF BLOOD

Title (de)
VERFAHREN UND VORRICHTUNGEN ZUM VERBINDEN EINER FLÜSSIGKEITSLEITUNG MIT EINEM ZIELBLUTGEFÄSS UND EINER BLUTQUELLE

Title (fr)
PROCEDES ET DISPOSITIFS PERMETTANT DE PLACER UN CONDUIT EN COMMUNICATION FLUIDIQUE AVEC UN VAISSEAU CIBLE ET UNE SOURCE SANGUINE

Publication
EP 1276533 A4 20030827 (EN)

Application
EP 01926980 A 20010412

Priority
• US 0112158 W 20010412
• US 54753200 A 20000412

Abstract (en)
[origin: WO0178801A2] Devices and methods for placing a conduit in fluid communication with a target vessel to communicate the target vessel with a source of blood. A conduit is coupled to the target vessel by first and second securing components that compress or sandwich the vessel wall. The conduit may be preshaped to assume a desired orientation when in an unbiased state, for example, to allow the conduit to be deformed during delivery and then regain its desired orientation once deployed. The first and second securing components may be any shape but are preferably elongated in the direction of the vessel axis, e.g., elliptical or rectangular, such that a minimum amount of material is present at the outlet to closely approximate the cross-sectional area of the native target vessel. The securing components do not significantly occlude the target vessel lumen, may be secured to the vessel wall in non-penetrating fashion, and provides a fluid-tight seal around the attachment site. The conduit may comprise tissue, synthetic material, etc., and one or both securing components may be constructed or provided with means for attaching an outologous vessel.
[origin: WO0178801A2] Devices and methods for placing a conduit (10) in fluid communication with a target vessel (TV) to communicate the target vessel (TV) with a source of blood. A conduit (10) is coupled to the target vessel (TV) by first (14) and second (16) securing components that compress or sandwich the vessel wall. The conduit (10) can be preshaped to assume a desired orientation when in an unbiased state, for example, to allow the conduit (10) to be deformed during delivery and then regain its desired orientation once deployed. The first (14) and second (16) securing components may be any shape but are preferably elongated in the direction of the vessel axis, e.g., elliptical or rectangular, such that a minimum amount of material is present at the outlet to closely approximate the cross-sectional area of the native target vessel. The securing components (14, 16) do not significantly occlude the target vessel lumen, may be secured to the vessel wall in non-penetrating fashion, and provides a fluid-tight seal around the attachment site. The conduit (10) may comprise tissue, synthetic material, etc., and one or both securing components may be constructed or provided with means for attaching an outologous vessel.

IPC 1-7
A61M 29/00; **A61F 2/06**

IPC 8 full level
A61B 17/11 (2006.01); **A61F 2/06** (2013.01); **A61B 17/00** (2006.01); **A61B 19/00** (2006.01)

CPC (source: EP)
A61F 2/064 (2013.01); **A61B 90/39** (2016.02); **A61B 2017/00252** (2013.01); **A61B 2017/1107** (2013.01)

Citation (search report)
• [XY] WO 9933403 A1 19990708 - KENSEY NASH CORP [US]
• [Y] WO 9840036 A1 19980917 - UNITED STATES SURGICAL CORP [US]
• [Y] US 5655548 A 19970812 - NELSON JAMES A [US], et al
• See references of WO 0178801A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0178801 A2 20011025; **WO 0178801 A3 20020411**; **WO 0178801 A9 20030814**; AU 5347801 A 20011030; CA 2404022 A1 20011025; EP 1276533 A2 20030122; EP 1276533 A4 20030827; JP 2003530916 A 20031021

DOCDB simple family (application)
US 0112158 W 20010412; AU 5347801 A 20010412; CA 2404022 A 20010412; EP 01926980 A 20010412; JP 2001576100 A 20010412