

Title (en)

INTRA-ARTERY OBSTRUCTION CLEARING APPARATUS AND METHODS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM BESEITIGEN EINER ARTERIENVERSTOPFUNG

Title (fr)

APPAREIL ET PROCEDES PERMETTANT D'ELIMINER UNE OBSTRUCTION INTRA-ARTERIELLE

Publication

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Application

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Priority

US 9503664 W 19950322

Abstract (en)

[origin: WO9629014A1] Disposable intra-arterial auger and dotter instruments (20) for use in patients in clearing pathways at obstructed or nearly obstructed arterial sites are disclosed. A number of auger tips (400, 402, 470, 490, 600, 700) used on the instruments are disclosed along with a method for releasably affixing auger tips to the instruments. In addition, a dotter tip (520, 550, 560) is disclosed for use in procedures where it is desired to open a pathway without excising material from the obstructed site. A combined auger and dotter tip (750) is disclosed for a procedure in which material displacement followed by excising of material from within an artery is accomplished without removal of the combined auger and dotter tip until the procedure is complete.

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Citation (search report)

- [E] US 5643297 A 19970701 - NORDGREN GREGORY N [US], et al
- [XA] US 5318576 A 19940607 - PLASSCHE JR WALTER M [US], et al
- [X] US 5287858 A 19940222 - HAMMERSLAG JULIUS G [US], et al
- [XA] EP 0373927 A2 19900620 - MEDTRONIC INC [US]
- [X] WO 9301753 A2 19930204 - ZACCA NADIM M [US], et al
- [XA] DE 9106690 U1 19910829
- [XA] US 4745919 A 19880524 - BUNDY MARK A [US], et al
- [XA] WO 9501752 A1 19950119 - MEDICAL MIRACLES CO LTD [GB], et al
- [A] EP 0472368 A2 19920226 - MED INST INC [US]
- [A] DE 3306213 A1 19840823 - THEERMANN JOHANNES DIPL ING
- [A] US 2437329 A 19480309 - MOORE FREDERICK J
- [A] EP 0315290 A1 19890510 - SCHNEIDER USA INC [US]
- [A] DE 9116000 U1 19920423
- See references of WO 9629014A1

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