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(54) Title (EN): SYSTEMS AND METHODS FOR TREATING CHRONIC TOTAL OCCLUSION OF AN ARTERY

(54) Title (FR): SYSTÈMES ET PROCÉDÉS DE TRAITEMENT DE L'OCCLUSION TOTALE CHRONIQUE D'UNE ARTÈRE

(57) Abstract:

(EN): In one embodiment, a system includes a small-diameter tube having an elongated body, a distal tip, and an inner lumen that extends the length of the tube, the distal tip including a magnetic element that generates a strong focal magnetic field, and a crossing wire having an elongated body and a distal tip, the distal tip of the crossing wire including a ferromagnetic element that is magnetically attracted to the distal tip of the small-diameter tube when the distal tip of the crossing wire is placed in proximity to the distal tip of the small-diameter tube so as to facilitate alignment of the distal tips.

(FR): L'invention concerne, selon un mode de réalisation, un système comprenant un tube de petit diamètre présentant un corps allongé, une pointe distale, et une lumière interne qui s'étend sur la longueur du tube, la pointe distale comprenant un élément magnétique qui génère un champ magnétique focal fort, et un fil traversant présentant un corps allongé et une pointe distale, la pointe distale du fil traversant comprenant un élément ferromagnétique qui est magnétiquement attiré vers la pointe distale du tube de petit diamètre lorsque la pointe distale du fil traversant est placée à proximité de la pointe distale du tube de petit diamètre afin de faciliter l'alignement des pointes distales.

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Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America