

Title (en)

METHOD AND APPARATUS FOR INTRA AORTIC SUBSTANCE DELIVERY TO A BRANCH VESSEL

Title (de)

VERFAHREN UND GERÄT ZUR INTRAAORTALEN ABGABE VON SUBSTANZEN IN EIN ZWEIGGEFÄSS

Title (fr)

PROCEDE ET APPAREIL D'ADMINISTRATION D'UNE SUBSTANCE PAR VOIE INTRA-AORTIQUE DANS UN VAISSEAU BRANCHE

Publication

**EP 1644070 A4 20100217 (EN)**

Application

**EP 04785764 A 20040319**

Priority

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- US 47932903 P 20030617
- US 50238903 P 20030913
- US 0329995 W 20030922
- US 50875103 P 20031002

Abstract (en)

[origin: WO2005002660A1] A renal flow system injects a volume of fluid agent into a location within an abdominal aorta in a manner that flows bi-laterally into each of two renal arteries via their respectively spaced ostia along the abdominal aorta wall. A local injection assembly (100) includes two injection members (104, 106), each having an injection port (112) that couples to a source of fluid agent externally of the patient. The injection ports may be positioned within an outer region of blood flow along the abdominal aorta wall perfusing the two renal arteries.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 5609574 A 19970311 - KAPLAN AARON V [US], et al
- [X] US 6280413 B1 20010828 - CLARK DAVID W [US], et al
- [X] US 2001023334 A1 20010920 - ST GOAR FREDERICK G [US], et al
- [X] US 6210392 B1 20010403 - VIGIL DENNIS M [US], et al
- [X] US 6280414 B1 20010828 - SHAH CHIRAG B [US], et al
- [X] US 5810767 A 19980922 - KLEIN ENRIQUE J [US]
- See references of WO 2005002660A1

Designated contracting state (EPC)

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