

Title (en)
BARBED MICROCATHETERS HAVING FLUID EGRESS OPENINGS FOR INFUSING THERAPEUTIC FLUIDS INTO TISSUE AND METHODS OF MAKING AND USING THE SAME

Title (de)
MIT WIDERHAKEN VERSEHENE MIKROKATHETER MIT FLÜSSIGKEITSAUSTRITTSÖFFNUNGEN ZUR INFUSION VON THERAPEUTISCHEN FLÜSSIGKEITEN IN GEWEBE UND VERFAHREN ZU DEREN HERSTELLUNG UND VERWENDUNG

Title (fr)
MICROCATHÉTERS À BARBILLONS AYANT DES OUVERTURES DE SORTIE DE FLUIDE POUR PERFUSER DES FLUIDES THÉRAPEUTIQUES DANS UN TISSU ET LEURS PROCÉDÉS DE FABRICATION ET D'UTILISATION

Publication
EP 4028101 A1 20220720 (EN)

Application
EP 20768404 A 20200902

Priority
• US 201916570017 A 20190913
• US 201916570028 A 20190913
• IB 2020058179 W 20200902

Abstract (en)
[origin: WO2021048705A1] A microcatheter (100) for delivering therapeutic fluids to a patient, and methods of making and using the same. The barbed microcatheter includes a hollow tube (102) having an elongated lumen that extends between proximal and distal ends of the hollow tube, a plurality of barbs (108) projecting from the hollow tube, and a plurality of fluid egress openings (110) formed in the hollow tube that are in fluid communication with the elongated lumen. The fluid egress openings are evenly spaced from one another along the length of the hollow tube. An anchor (112) is secured to the proximal end of the hollow tube, and a surgical needle (114) is secured to the distal end of the hollow tube.

IPC 8 full level
A61M 25/01 (2006.01); **A61B 17/04** (2006.01); **A61B 17/06** (2006.01); **A61M 25/00** (2006.01); **A61M 25/02** (2006.01); **A61M 25/06** (2006.01); **B29C 53/20** (2006.01); **B29C 67/00** (2017.01); **B29D 23/00** (2006.01); **B29L 31/00** (2006.01)

CPC (source: CN EP KR)
A61B 17/06166 (2013.01 - EP KR); **A61M 25/0009** (2013.01 - EP KR); **A61M 25/0015** (2013.01 - CN EP KR); **A61M 25/0017** (2013.01 - CN); **A61M 25/0043** (2013.01 - KR); **A61M 25/0194** (2013.01 - CN EP KR); **A61M 25/02** (2013.01 - CN EP KR); **A61M 25/065** (2013.01 - CN); **B29C 53/20** (2013.01 - EP KR); **B29C 67/0003** (2013.01 - KR); **B29C 67/0014** (2013.01 - KR); **B29D 23/00** (2013.01 - EP KR); **A61B 2017/00526** (2013.01 - EP KR); **A61B 2017/0608** (2013.01 - EP KR); **A61B 2017/06176** (2013.01 - EP KR); **A61B 2017/06185** (2013.01 - EP KR); **A61M 25/0017** (2013.01 - EP KR); **A61M 25/007** (2013.01 - CN EP); **A61M 25/065** (2013.01 - EP KR); **A61M 2025/0042** (2013.01 - EP KR); **A61M 2025/0056** (2013.01 - CN EP KR); **A61M 2025/0095** (2013.01 - EP KR); **A61M 2025/0286** (2013.01 - CN EP KR); **B29C 67/0003** (2013.01 - EP); **B29C 67/0014** (2013.01 - EP); **B29C 2793/0027** (2013.01 - EP KR); **B29C 2793/0036** (2013.01 - EP KR); **B29C 2793/0045** (2013.01 - EP KR); **B29L 2031/7542** (2013.01 - EP KR)

Citation (search report)
See references of WO 2021048705A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2021048705 A1 20210318; AU 2020344233 A1 20220428; AU 2020344233 B2 20240104; BR 112022004499 A2 20220531; CN 114401762 A 20220426; EP 4028101 A1 20220720; JP 2022548241 A 20221117; KR 20220064381 A 20220518; MX 2022003038 A 20220407

DOCDB simple family (application)
IB 2020058179 W 20200902; AU 2020344233 A 20200902; BR 112022004499 A 20200902; CN 202080064257 A 20200902; EP 20768404 A 20200902; JP 2022516080 A 20200902; KR 20227011597 A 20200902; MX 2022003038 A 20200902