

Title (en)
DEVICE FOR BIOLOGICAL CELL COLLECTION AND METHOD OF USE

Title (de)
VORRICHTUNG ZUR ENTNAHME BIOLOGISCHER ZELLEN UND VERFAHREN ZUR VERWENDUNG

Title (fr)
DISPOSITIF DE COLLECTE DE CELLULES BIOLOGIQUES ET PROCÉDÉ D'UTILISATION

Publication
EP 4164503 A4 20240207 (EN)

Application
EP 20940693 A 20200616

Priority
US 2020037883 W 20200616

Abstract (en)
[origin: WO2021257058A1] A device for collecting a biological sample in a patient, the device including an inflatable portion attached to a tubular member, and designed to expand from within the tubular member when inflated and to retract within the tubular member, a surface on the inflatable portion provided with varied thickness to facilitate movement of the inflatable portion between an expanded state and a retracted state, and a plurality of projections on the surface to allow collection of the biological sample when the inflatable portion is in the expanded state.

IPC 8 full level
A61B 10/02 (2006.01); **A61M 25/10** (2013.01)

CPC (source: EP)
A61B 10/02 (2013.01); **A61B 10/04** (2013.01); **A61B 2010/0216** (2013.01); **A61M 2025/1086** (2013.01)

Citation (search report)

- [XII] WO 2018204659 A1 20181108 - UNIV CASE WESTERN RESERVE [US]
- [XII] US 2016317132 A1 20161103 - MARKOWITZ SANFORD [US], et al
- [A] WO 9423787 A1 19941027 - RAMMLER DAVID H [US]
- [A] US 2020022685 A1 20200123 - BRODBECK ACHIM [DE], et al
- See also references of WO 2021257058A1

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

DOCDB simple family (publication)
WO 2021257058 A1 20211223; AU 2020453916 A1 20221222; CA 3186131 A1 20211223; CN 115955941 A 20230411; EP 4164503 A1 20230419; EP 4164503 A4 20240207; JP 2023536683 A 20230829

DOCDB simple family (application)
US 2020037883 W 20200616; AU 2020453916 A 20200616; CA 3186131 A 20200616; CN 202080102043 A 20200616; EP 20940693 A 20200616; JP 2022577626 A 20200616