

Title (en)  
PLANAR END EFFECTOR WITH IRRIGATION

Title (de)  
PLANARER ENDEFFEKTOR MIT BEWÄSSERUNG

Title (fr)  
EFFECTEUR TERMINAL PLAN AVEC IRRIGATION

Publication  
**EP 4376745 A1 20240605 (EN)**

Application  
**EP 22751456 A 20220721**

Priority

- US 202163203801 P 20210730
- US 202217854882 A 20220630
- IB 2022056738 W 20220721

Abstract (en)  
[origin: WO2023007324A1] Planar end effector designs having irrigation are presented. The example end effectors are configured to be affixed to a distal end of a catheter and delivered through vasculature in a collapsed configuration and expand at an intracardiac treatment site to a deployed configuration. In some instances, the end effector can have an electrode array with sufficient density to perform mapping and irrigation for mapping. The end effector can include dedicated irrigation tubes and/or irrigating electrode-carrying spines to irrigate within the electrode array. Flow rate at positions within the electrode array can be controlled in a predetermined manner by varying pore/port size, flow direction, and/or flow path cross-section throughout an irrigation flow path in the end effector.

IPC 8 full level  
**A61B 18/14** (2006.01)

CPC (source: EP IL)  
**A61B 18/1492** (2013.01 - EP IL); **A61B 2018/00065** (2013.01 - EP IL); **A61B 2018/0016** (2013.01 - EP IL); **A61B 2018/00214** (2013.01 - EP IL); **A61B 2018/00351** (2013.01 - EP IL); **A61B 2018/00577** (2013.01 - EP IL); **A61B 2018/1467** (2013.01 - EP IL); **A61B 2018/1475** (2013.01 - EP IL); **A61B 2217/007** (2013.01 - EP IL); **A61B 2218/002** (2013.01 - EP IL)

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2023007324 A1 20230202**; EP 4376745 A1 20240605; IL 310283 A 20240301

DOCDB simple family (application)  
**IB 2022056738 W 20220721**; EP 22751456 A 20220721; IL 31028324 A 20240121