

Title (en)
OSTEOCHONDRAL/SUBCHONDRAL TREATMENT SYSTEM

Title (de)
OSTEOCHONDRALES/SUBCHONDRALES BEHANDLUNGSSYSTEM

Title (fr)
SYSTÈME DE TRAITEMENT OSTÉOCHONDRAL/SOUS-CHONDRAL

Publication
EP 4225206 A1 20230816 (EN)

Application
EP 21878344 A 20211005

Priority
• US 202017064483 A 20201006
• US 2021053535 W 20211005

Abstract (en)
[origin: WO2022076384A1] An apparatus and methods are provided for a tapered implant for treating osteochondral/ subchondral defects. The tapered implant comprises a top portion that includes a shape that approximates an osteochondral/ subchondral surface to be replaced. A bottom portion of the tapered implant is configured to be implanted into a hole drilled in bone. A cylindrical sidewall of the tapered implant has a diameter that generally decreases from a first diameter of the top portion to a second diameter of the bottom portion. The tapered implant comprises any homogenous synthetic or natural material suitable for implantation into bone, including any of collagen, human allograft or autograft, animal xenograft, silicone, bioglass, peek, polyethylene, titanium, and cobalt chrome, and any combination thereof.

IPC 8 full level
A61F 2/00 (2006.01); **A61B 17/00** (2006.01); **A61B 17/56** (2006.01); **A61F 2/28** (2006.01); **A61F 2/30** (2006.01); **A61F 2/42** (2006.01)

CPC (source: EP)
A61B 17/1604 (2013.01); **A61B 17/1615** (2013.01); **A61F 2/30756** (2013.01); **A61F 2/4225** (2013.01); **A61B 2090/033** (2016.02); **A61B 2090/061** (2016.02); **A61B 2090/062** (2016.02); **A61B 2090/0807** (2016.02); **A61B 2090/0811** (2016.02); **A61F 2002/3021** (2013.01); **A61F 2002/4233** (2013.01); **A61F 2310/00023** (2013.01); **A61F 2310/00029** (2013.01); **A61F 2310/00293** (2013.01); **A61F 2310/00329** (2013.01); **A61F 2310/00359** (2013.01); **A61F 2310/00371** (2013.01)

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 2022076384 A1 20220414; AU 2021357699 A1 20230601; AU 2021357699 A9 20240502; CA 3194985 A1 20220414; EP 4225206 A1 20230816

DOCDB simple family (application)
US 2021053535 W 20211005; AU 2021357699 A 20211005; CA 3194985 A 20211005; EP 21878344 A 20211005