

Title (en)

DRIVE INSTRUMENTS WITH RETENTION MECHANISMS, MEDICAL IMPLANTS, AND RELATED TECHNOLOGIES

Title (de)

ANTRIEBSINSTRUMENTE MIT RÜCKHALTEMECHANISMEN, MEDIZINISCHE IMPLANTATE UND ZUGEHÖRIGE TECHNOLOGIEN

Title (fr)

INSTRUMENTS D'ENTRAÎNEMENT AVEC MÉCANISMES DE RETENUE, IMPLANTS MÉDICAUX ET TECHNOLOGIES ASSOCIÉES

Publication

EP 4304533 A1 20240117 (EN)

Application

EP 22767974 A 20220310

Priority

- US 202163159327 P 20210310
- US 2022019706 W 20220310

Abstract (en)

[origin: WO2022192512A1] A system for treating a subject's spine can include an intervertebral spacer. The intervertebral spacer can be movable between unexpanded and expanded configurations. A locking member can have a threaded distal region configured to threadably engage the intervertebral spacer, and a proximal drive. A drive instrument assembly can include a retention mechanism detachably couplable to the locking member. The retention mechanism can include a socket configured to receive the drive head to rotationally fix the drive instrument to the locking member, and a spring element biased outwardly to releasably hold the drive head in the socket when the spring element extends into the drive head. The drive instrument assembly can be configured to rotate the locking member to move the intervertebral spacer from the unexpanded configuration to the expanded configuration.

IPC 8 full level

A61F 2/44 (2006.01); **A61F 2/30** (2006.01); **A61F 2/46** (2006.01)

CPC (source: EP)

A61F 2/4455 (2013.01); **A61F 2/447** (2013.01); **A61F 2/4611** (2013.01); **A61F 2002/30405** (2013.01); **A61F 2002/30471** (2013.01); **A61F 2002/30476** (2013.01); **A61F 2002/30507** (2013.01); **A61F 2002/30538** (2013.01); **A61F 2002/3055** (2013.01); **A61F 2002/30555** (2013.01); **A61F 2002/30556** (2013.01); **A61F 2002/30624** (2013.01); **A61F 2002/4622** (2013.01); **A61F 2002/4625** (2013.01); **A61F 2002/4629** (2013.01)

Citation (search report)

See references of WO 2022192512A1

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 2022192512 A1 20220915; EP 4304533 A1 20240117

DOCDB simple family (application)

US 2022019706 W 20220310; EP 22767974 A 20220310