

Title (en)

FLEXIBLE INNER SOCKET FOR PROVIDING INNER CIRCUMFERENCE REDUCTION TO RIGID PROSTHETIC SOCKET

Title (de)

FLEXIBLER INNENSCHAFT ZUR INNENUMFANGSVERRINGERUNG BEI EINEM STARREN PROTHESENSCHAFT

Title (fr)

EMBOÎTURE INTERNE FLEXIBLE POUR FOURNIR UNE RÉDUCTION DE CIRCONFÉRENCE INTERNE À UNE EMBOÎTURE PROTHÉTIQUE RIGIDE

Publication

**EP 4027955 A4 20230308 (EN)**

Application

**EP 20939831 A 20200610**

Priority

US 2020036909 W 20200610

Abstract (en)

[origin: WO2021251958A1] A flexible inner socket is fabricated by forming a pre-socket. The pre-socket includes a body formed with an opening and an enclosed end. The enclosed end is opposite to the opening. The body of the pre-socket has an outer circumference that is smaller than the inner circumference of the rigid prosthetic socket. Different portions of the body may have different thicknesses. The preform socket is heated. After the heating, the flexible inner socket is formed by molding the pre-socket onto the inner surface of the rigid prosthetic socket to form the flexible inner socket. The inner circumference of the rigid prosthetic socket is reduced by a thickness of the flexible inner socket when the flexible inner socket is attached to the inner surface of the rigid prosthetic socket. An opening of the flexible inner socket may be trimmed after the formation to fit contours of an opening of the rigid prosthetic socket.

IPC 8 full level

**A61F 2/78** (2006.01)

CPC (source: EP)

**A61F 2/78** (2013.01)

Citation (search report)

- [I] FR 3061852 A1 20180720 - PROTEOR [FR]
- [I] EP 1112727 A1 20010704 - SHIRER LEE A [US]
- [A] US 5376127 A 19941227 - SWANSON VERN M [US]
- [A] US 2008188948 A1 20080807 - FLATT TERRY J [US]
- See also references of WO 2021251958A1

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 2021251958 A1 20211216**; CA 3156753 A1 20211216; EP 4027955 A1 20220720; EP 4027955 A4 20230308

DOCDB simple family (application)

**US 2020036909 W 20200610**; CA 3156753 A 20200610; EP 20939831 A 20200610