



(12) **United States Patent**
Hassler et al.

(10) **Patent No.:** **US 9,408,652 B2**
(45) **Date of Patent:** ***Aug. 9, 2016**

(54) **INTRA-ARTICULAR JOINT REPLACEMENT AND METHOD**

(56) **References Cited**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 519 days.

This patent is subject to a terminal disclaimer.

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(21) Appl. No.: **12/768,154**

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(22) Filed: **Apr. 27, 2010**

(Continued)

(65) **Prior Publication Data**

US 2011/0264153 A1 Oct. 27, 2011

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(51) **Int. Cl.**

A61F 2/28	(2006.01)
A61B 17/56	(2006.01)
A61B 17/88	(2006.01)
A61B 17/16	(2006.01)

(57) **ABSTRACT**

Methods of implanting a prosthesis to repair a joint include displacing a first bone from the joint formed by an intersection between the first bone and a second bone. An end portion of the first bone is resected to define a resected end. A concavity is formed into the resected end using a shaping tool. The bone is compacted to form a support layer lining the concavity. The prosthesis is implanted in the concavity against the support layer without attaching the prosthesis to the support layer. The joint is reformed with the prosthesis such that the prosthesis remains unattached to the support layer and the first and second bones articulate about the prosthesis.

(52) **U.S. Cl.**

CPC **A61B 17/885** (2013.01); **A61B 17/1684** (2013.01)

(58) **Field of Classification Search**

CPC A61B 17/1684; A61B 17/885
USPC 623/18.11, 19.11–19.14; 606/81
See application file for complete search history.

18 Claims, 7 Drawing Sheets

