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(54) **ADJUSTABLE BONE FUSION IMPLANT AND METHOD**

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(58) **Field of Search** **623/17.11, 17.15, 623/17.16**

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(57) **ABSTRACT**

An adjustable bone fusion implant includes a first plate having an interior face with a plurality of spaced apart first support members projecting therefrom. Each support member has a plurality of teeth projecting therefrom. A second plate has an interior face with a plurality of spaced apart second support members projecting therefrom. Each second support member has at least one tooth projecting therefrom. At least a portion of the plurality of teeth of each first support member mechanically engages with the at least one tooth of a corresponding second support member so that the first plate and the second plate can be selectively separated while forming a compartment therebetween. A reinforcing member is disposed between the first plate and the second plate such that the application of a compressive force between the first plate and the second plate applies compression on the reinforcing member.

10 Claims, 13 Drawing Sheets

