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**(12) United States Patent**  
**Boehm-Van Diggelen****(10) Patent No.: US 8,449,297 B2**  
**(45) Date of Patent: May 28, 2013****(54) DENTAL IMPLANT FOR INSERTION INTO A JAWBONE AND FOR FASTENING A TOOTH REPLACEMENT****(76) Inventor: Bernd Boehm-Van Diggelen,**  
Nuremberg (DE)**(\*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.**(21) Appl. No.: 13/126,307****(22) PCT Filed: Nov. 2, 2009****(86) PCT No.: PCT/DE2009/001527**

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See application file for complete search history.

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*Primary Examiner* — Ralph Lewis*(74) Attorney, Agent, or Firm* — Lucas & Mercanti, LLP**(57) ABSTRACT**

A dental implant inserted into a jawbone in order to fasten a tooth replacement is characterized by a shape corresponding to two partially overlapping cylinder-like members (29, 30) that have significantly different diameters. The axis of symmetry (14) of the first member (29) having the larger diameter extends perpendicular to the cortical bone (4) of the jawbone, while the axis of symmetry (15) of the second member (30) having the smaller diameter is tilted by an acute angle relative to the axis of symmetry (14) of the first member (29). The point of intersection (2) between the axes of symmetry (14, 15) lies on the axis of symmetry of the first member (29), within or outside said member (29).

**12 Claims, 6 Drawing Sheets**