INTERVERTEBRAL IMPLANT DEVICES FOR SUPPORTING VERTEBRAE AND DEVICES AND METHODS FOR INSERTION THEREOF

Abstract: Implant devices for implantation within an intervertebral space are provided, together with methods and tools for use therewith. Implant devices of the present invention include an implant body formed of a synthetic bone substitute material, such as a nanocrystalline calcium phosphate material. The implant body and the methods and tools used therewith are configured to optimize strength and stability of the implant, minimize areas of stress concentration in the implant body and promote bone growth through the implant body and fusion of the vertebra.

Fig. 1
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
### INTERNATIONAL SEARCH REPORT

**International application No:**
PCT/US2009/039338

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#### A  CLASSIFICATION OF SUBJECT MATTER

**IPC(8) -** A61F 2/44 (2009.01)
**USPC -** 623/17.1 1

According to International Patent Classification (IPC) or to both national classification and IPC.

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#### B  FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC(8) -** A61F 2/44 (2009.01)
**USPC -** 523/1 13, 623/17 11

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched.

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase

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#### C  DOCUMENTS CONSIDERED TO BE RELEVANT

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<th>Category</th>
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#### D  Further documents are listed in the continuation of Box C

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**Date of the actual completion of the international search:**
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