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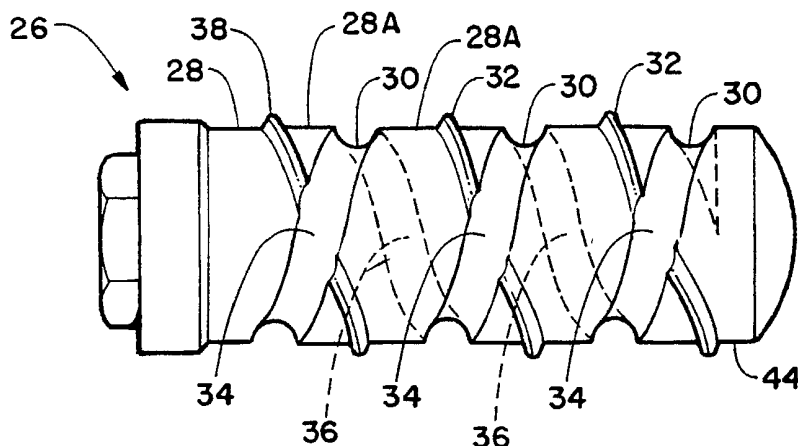
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(54) Title: **HYBRID PRESS FIT-THREADED DENTAL IMPLANT**



(57) Abstract: A dental implant (10) has a body (12) with a press fit diameter fit into a hole drilled into a patient's jaw bone, and having a helical groove (14) machined into the body diameter to improve the rate of growth of bone tissue thereinto to securely lock the implant (10) in position. A shallow height oppositely wound helical thread (32) may be added to increase the holding force upon initial fitting of the implant (10). The shallow height and long pitch of the thread (32) produces only minimal stress of the surrounding bone tissue to insure long term retention.

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/42281

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61C8/00

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

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61C

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 practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 826 343 A (JONES SHEDRICK D) 4 March 1998 (1998-03-04)	1-3
Y	column 4, line 39 -column 5, line 39; figures 5,6	4-7
Y	US 4 871 313 A (MAILLEFER PIERRE-LUC) 3 October 1989 (1989-10-03) column 1, line 48 -column 2, line 28; claims 1,2; figure 1	4-7
A	US 5 642 996 A (MOCHIDA MASAOKI ET AL) 1 July 1997 (1997-07-01) column 3, line 66 -column 4, line 55 column 7, line 36-39 column 8, line 23-27; figures 2A,4	8,9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 269 686 A (JAMES ROBERT A) 14 December 1993 (1993-12-14) cited in the application abstract</p> <p>-----</p>	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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