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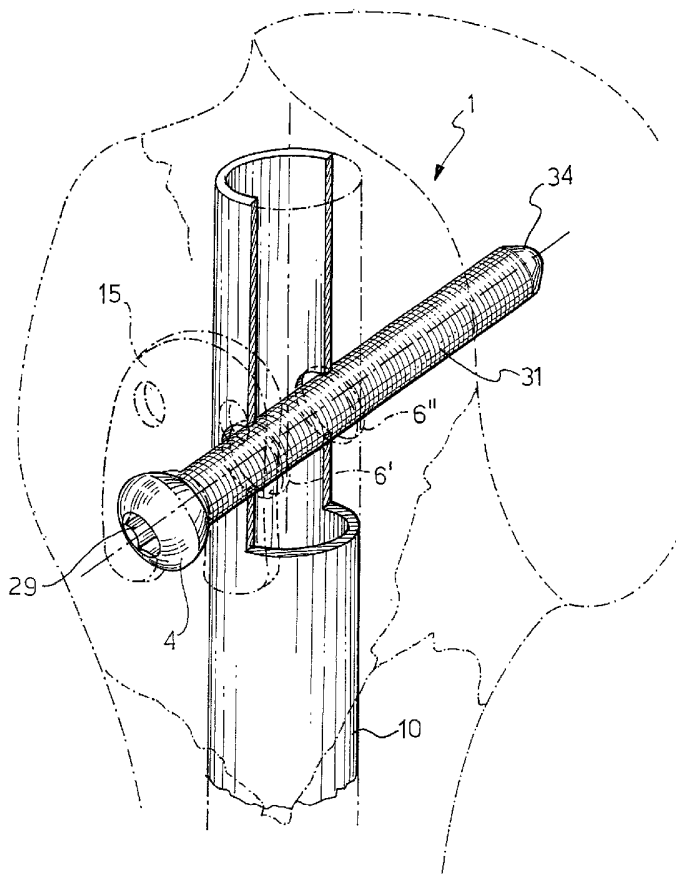
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- (71) Applicant and  
(72) Inventor: PENNIG, Dietmar [DE/DE]; Hans-Driesch-Strasse 12, 50935 Koln (DE).
- (74) Agents: BOTTI, Mario et al.; Botti & Ferrari S.r.l., Via Locatelli, 5, I-20124 Milano (IT).
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(54) Title: SURGICAL NAIL AND SCREW FIXATION SYSTEM



(57) Abstract: The present invention relates to a nail and screw system (1) for improving the fixation of proximal fractures of the humerus, including at least a Numeral nail (10) to be inserted in a Numeral shaft (9) and comprising at least a proximal transversal hole (5) for the passage of a corresponding locking screw (3), the screw (3) having a screw head (4) and a screw body (31). Advantageously, the nail is cannulated and the transversal hole (5) comprises a couple of opposite holes (6', 6'') on opposite wall of the cannulated nail (10); the hole (6') closer to the screw head (4) has an internal partially threaded portion (28) and the corresponding screw (3) has an outside thread diameter smaller than the diameter of said at least one transversal hole (27) that receives such a screw. Said nail is cannulated and said transversal hole comprises a couple of opposite holes (6', 6'') on opposite wall of the cannulated nail (10) and the hole (6') closer to the screw head (4) includes said partially threaded portion (28).

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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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 A61B

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 784 283 A (FOURNITURES HOSPITALIERES IND) 14 April 2000 (2000-04-14) the whole document -----	1, 4
A	US 6 355 043 B1 (ADAM MICHAEL) 12 March 2002 (2002-03-12) claim 3; figure 3 -----	1, 4, 5
A	US 3 709 218 A (HALLORAN W) 9 January 1973 (1973-01-09) abstract; figure 11 -----	1, 6, 7
A	DE 89 07 443 U (AESCULAP AG) 14 September 1989 (1989-09-14) the whole document -----	1, 6

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Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Hansen, S

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