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- (74) Agents: SMITH & NEPHEW, INC. et al.; 7135 Goodlet Farms Parkway, Cordova, Tennessee 38016 (US).
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[Continued on next page]

(54) Title: PATIENT-MATCHED GUIDE BLOCK

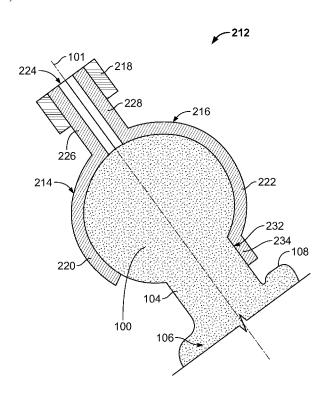


FIG. 5

(57) Abstract: System, devices, and methods for orienting a guide block with a patient's anatomy are provided. A two-piece guide block is configured to couple with a patient's femoral head and femoral neck to align a guide passage along a desired axis that extends through the femoral head. The guide block is patient-matched to match surface features of the patient's femoral head and femoral neck to provide a stable mating interaction. An interior surface of the two-piece guide block includes a cutting element that extends radially inward to mate with the femoral neck. The cutting element allows the block to mate with a femoral neck that is surrounded by cartilage or other soft tissue. The cutting element maintains a close mating interface with the femoral neck without requiring extensive damage or removal of the surrounding cartilage and tissue.



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- with international search report (Art. 21(3))
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A. CLASSIFICATION OF SUBJECT MATTER

A61B 17/90(2006.01)i, A61F 2/32(2006.01)i, A61F 2/46(2006.01)i, A61B 6/00(2006.01)i, G03B 42/02(2006.01)i

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)

A61B 17/90; A61F 2/36; A61B 17/60; A61B 17/58; A61B 17/17; A61F 2/32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: guide, femoral neck, femoral head, femur, sleeve, coupling member

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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- See
- See patent family annex.

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- "&" document member of the same patent family

Date of the actual completion of the international search

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International application No.

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This internat	ional search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
bec C th	ause they relate to subject matter not required to be searched by this Authority, namely: laims 17-22 pertain to method for treatment of human body by surgery or therapy, and thus relate to a subject matter which his International Searching Authority is not required to search under Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the egulations under the PCT.
└ bec	nims Nos.: Eause they relate to parts of the international application that do not comply with the prescribed requirements to such an ent that no meaningful international search can be carried out, specifically:
	nims Nos.: cause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Internat	tional Searching Authority found multiple inventions in this international application, as follows:
2. As of a	all required additional search fees were timely paid by the applicant, this international search report covers all searchable ims. all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment any additional fee. only some of the required additional search fees were timely paid by the applicant, this international search report covers y those claims for which fees were paid, specifically claims Nos.:
	required additional search fees were timely paid by the applicant. Consequently, this international search report is tricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on	Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation. No protest accompanied the payment of additional search fees.

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