



US005755801A

United States Patent [19]

[11] Patent Number: **5,755,801**

Walker et al.

[45] Date of Patent: **May 26, 1998**

[54] **PROSTHESES FOR KNEE REPLACEMENT** 5,395,401 3/1995 Bahler 623/20

FOREIGN PATENT DOCUMENTS

[76] Inventors: **Peter Stanley Walker**, 13 Pembroke Road, Moor Park, Middlesex HA6 2HP, England; **John Nevil Insall**, 170 E. End Ave., New York, N.Y. 10128

551793	7/1993	European Pat. Off.	623/20
592750	4/1994	European Pat. Off.	623/20
2685632	7/1993	France	623/20
9322991	11/1993	WIPO	623/20
WO 94/26212	11/1994	WIPO	

[21] Appl. No.: **276,850**

[22] Filed: **Jul. 18, 1994**

[30] Foreign Application Priority Data

Jul. 16, 1993 [GB] United Kingdom 9314832

[51] Int. Cl.⁶ **A61F 2/38**

[52] U.S. Cl. **623/20**

[58] Field of Search 623/18, 20

[56] References Cited

U.S. PATENT DOCUMENTS

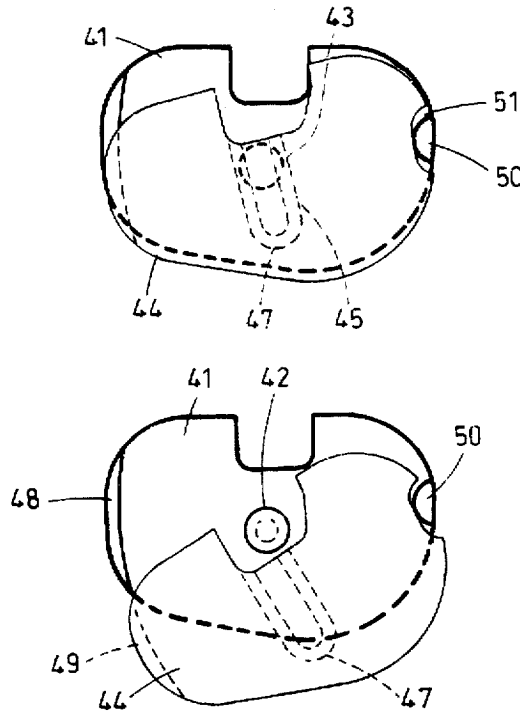
5,059,216	10/1991	Winters	623/20
5,071,438	12/1991	Jones et al.	623/20
5,192,328	3/1993	Winters	623/20
5,271,747	12/1993	Wagner et al.	623/20
5,330,533	7/1994	Walker	623/20
5,387,240	2/1995	Pottenger et al.	623/20

Primary Examiner—Michael J. Milano
Attorney, Agent, or Firm—McDermott, Will & Emery

[57] ABSTRACT

A condylar replacement knee prosthesis has a tibial platform adapted for attachment to a resected tibia, a femoral component adapted for attachment to a resected femur and a plastics meniscal component interposed between the femoral and tibial components. The upper surface of the meniscal component is shaped to correspond with bearing surfaces of the femoral component. The meniscal component is guided for sliding movement in an anterior-posterior direction on the tibial component and for limited rotational movement, the rotational movement being centred about an axis which is displaced medially from the anterior-posterior centre line of the tibial component.

3 Claims, 4 Drawing Sheets



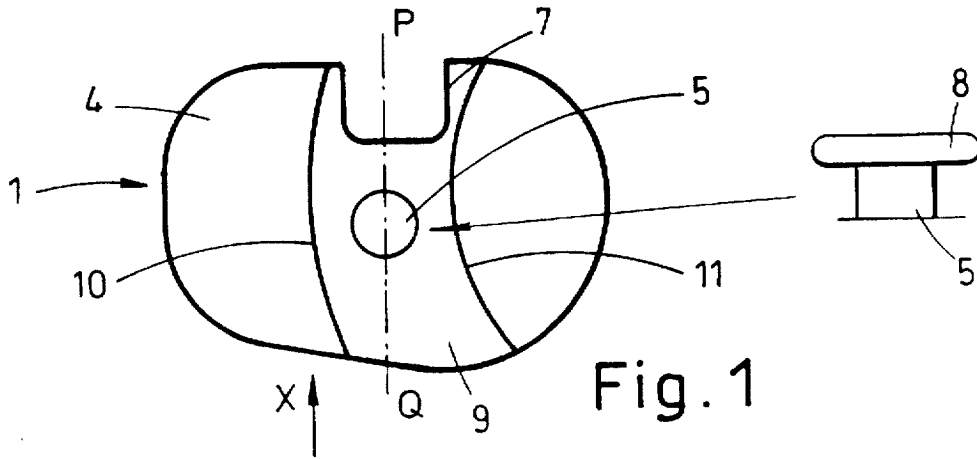


Fig. 1

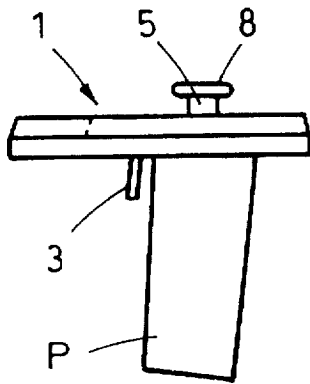


Fig. 1a

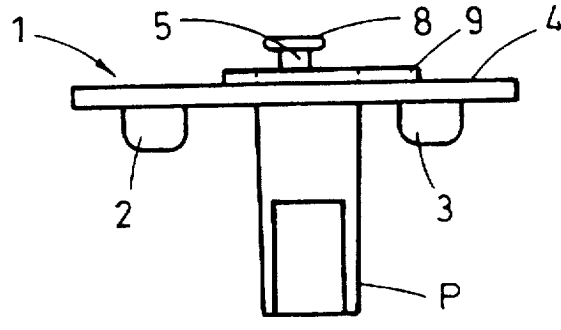


Fig. 1b

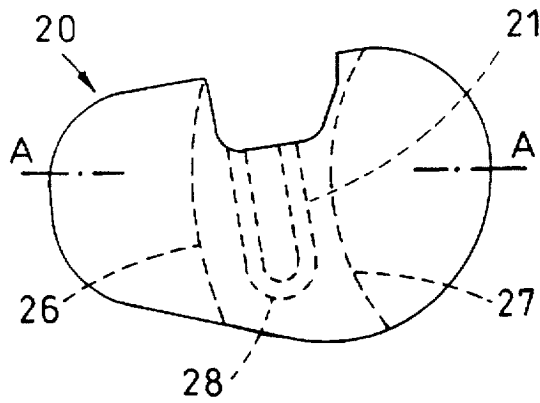


Fig. 1c



Fig. 1d

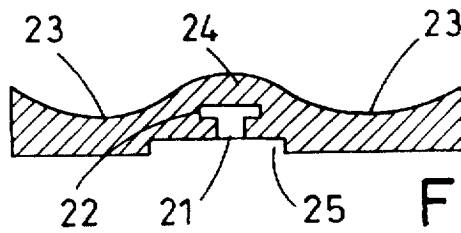


Fig. 1e

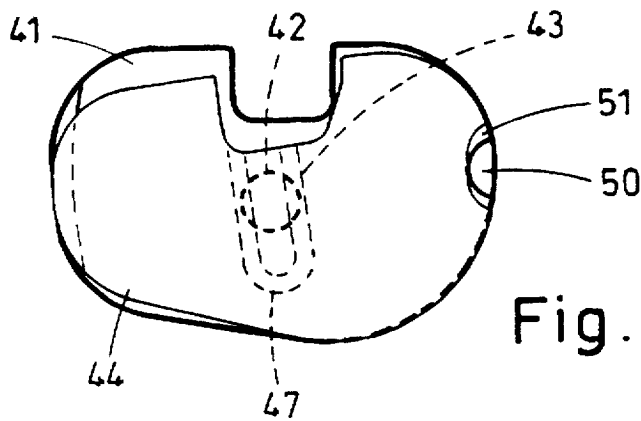


Fig. 2

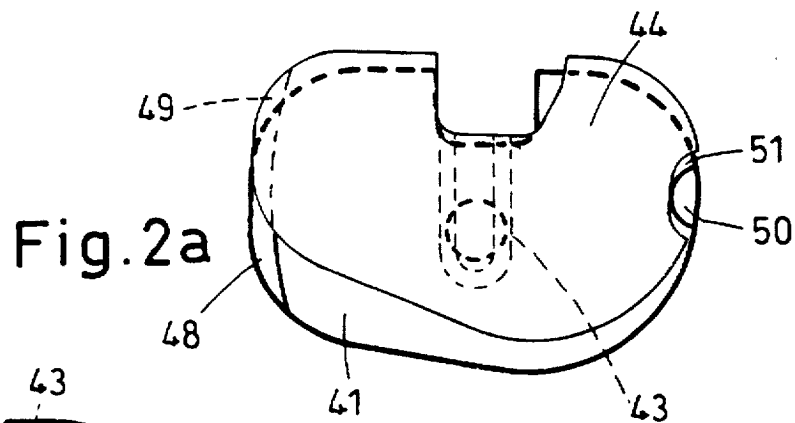


Fig. 2a

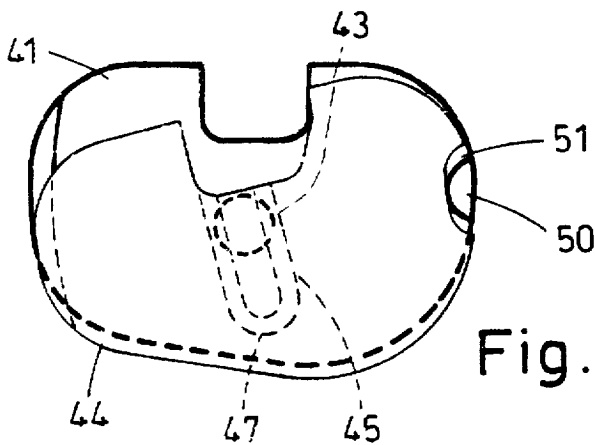


Fig. 2b

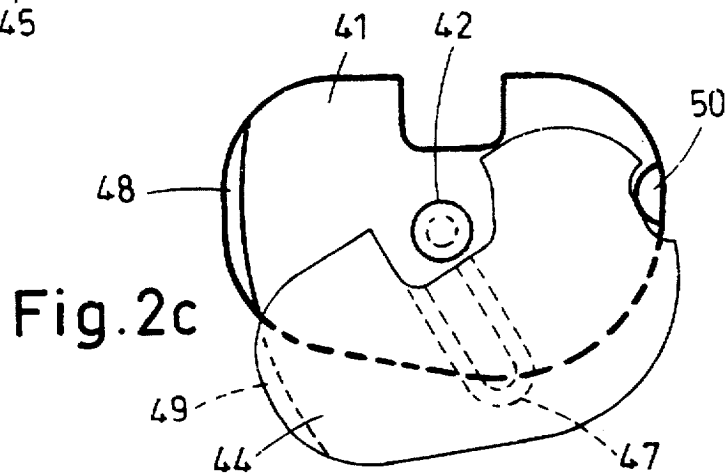


Fig. 2c

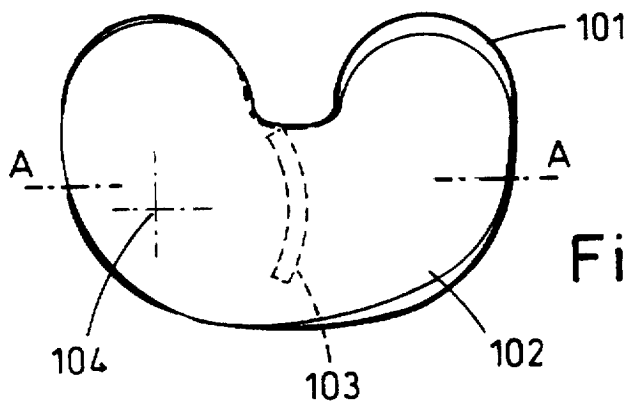


Fig. 3

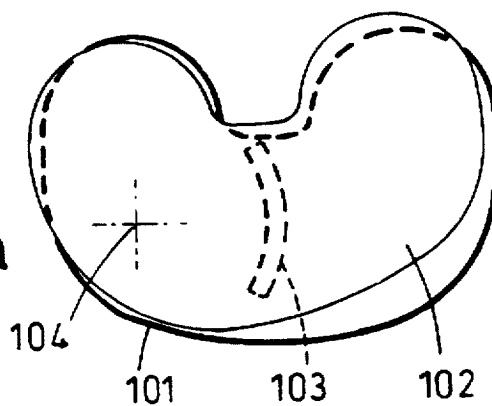


Fig. 3a

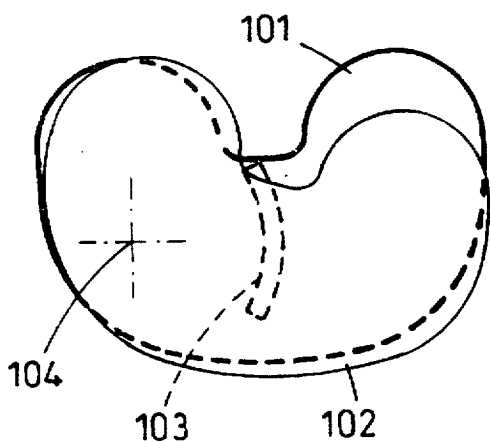


Fig. 3b

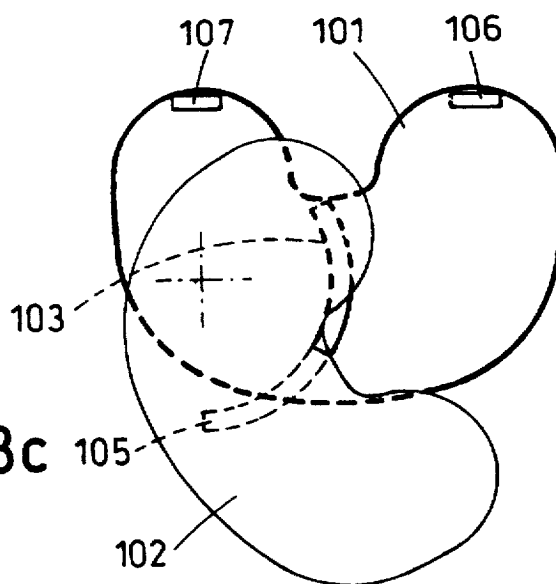


Fig. 3c

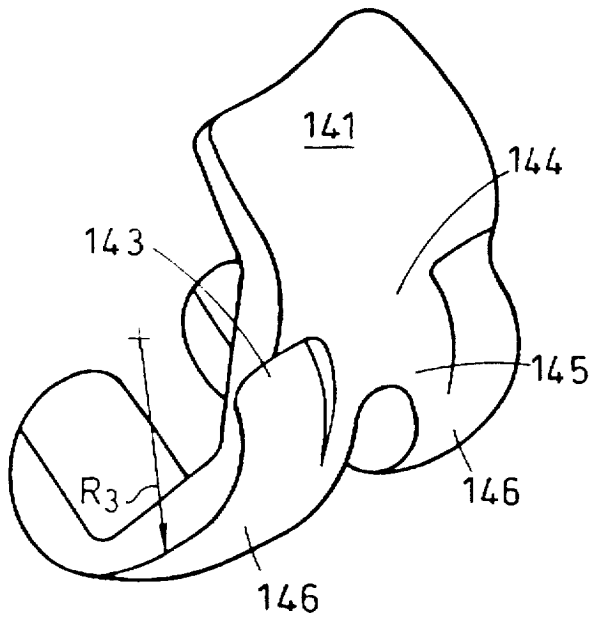


Fig. 4(a)

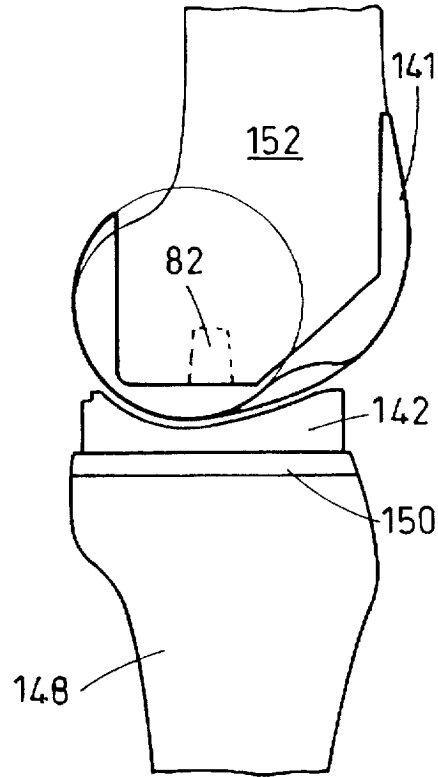


Fig. 4(c)

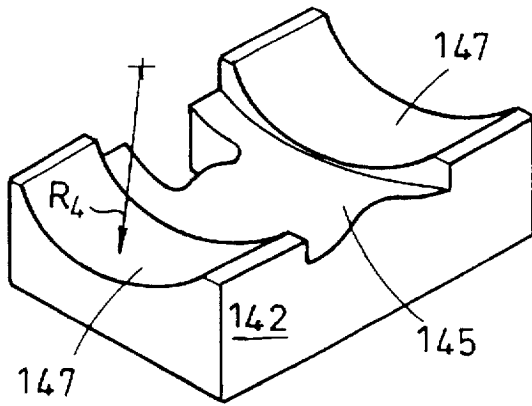


Fig. 4(b)

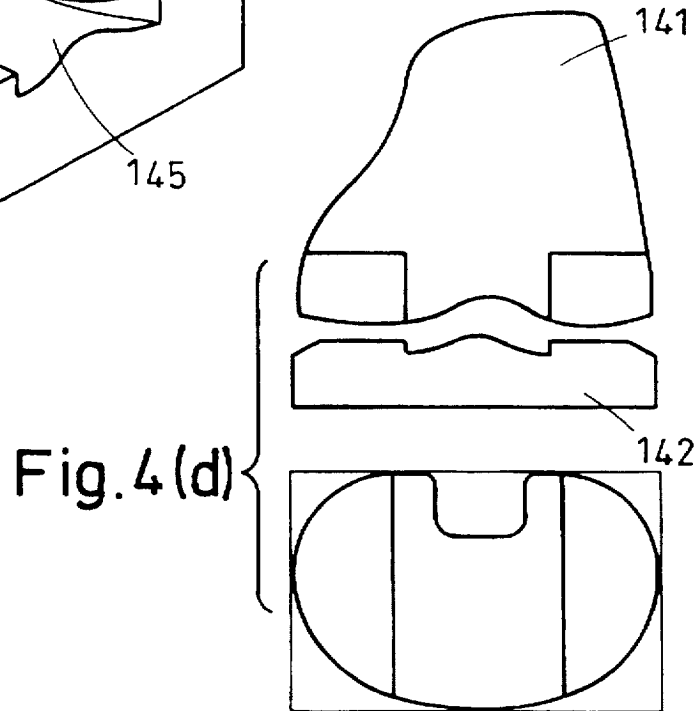


Fig. 4(d)

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.