

US006221077B1

8/1999 Rinner.

(12) United States Patent Rinner et al.

METHOD OF MAKING SAME

(10) Patent No.: US 6,221,077 B1

(45) **Date of Patent:** Apr. 24, 2001

FOREIGN PATENT DOCUMENTS

	METHOD OF MAKING SAME	
(75)	Inventors:	James A. Rinner, Racine; Kevin K. Marchant, Kenosha, both of WI (US)
(73)	Assignee:	Beere Precision Medical Instruments, Inc. , Racine, WI (US)
(*)	Notice:	Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
(21)	Appl. No.:	09/514,913
(22)	Filed:	Feb. 28, 2000

(54) HUMAN SPINE FIXATION TEMPLATE AND

Primary Examiner—Gene Mancene Assistant Examiner—Eduardo C. Robert (74) Attorney, Agent, or Firm—Arthur J. Hansmann

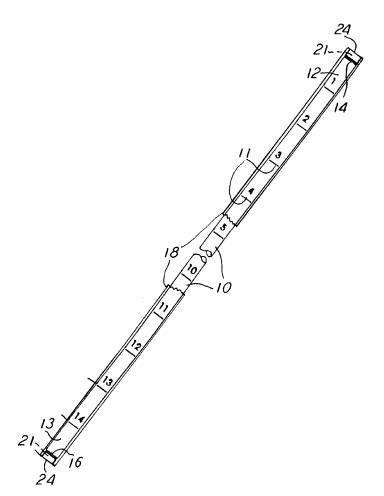
(57) ABSTRACT

5,938,662

* cited by examiner

A method and template for making a rod to be implanted into a human for affixing the patient's spine. The template and the method consist of a metal rod covered by a flexible sleeve and end plugs which are cemented into the sleeve ends to fluid tightly encase the rod and prevent particulates from getting into the patient.

9 Claims, 1 Drawing Sheet



(56) References Cited

U.S. PATENT DOCUMENTS

(52) U.S. Cl. 606/102; 33/512

606/60, 61; 33/511, 512, 562, 483, 493