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54 **Corrosion protection apparatus.**

57 An apparatus for protecting a substrate includes a collapsible reservoir filled with a three-dimensional elastic gel which is relatively soft and has an ultimate elongation of at least 200%. The apparatus is disposed in contact with a substrate having a recess therein to be environmentally protected, and a force is applied to the reservoir to at least partially collapse the reservoir forcing the gel from an open surface of the reservoir into the recess so as to substantially fill and encapsulate the recess.

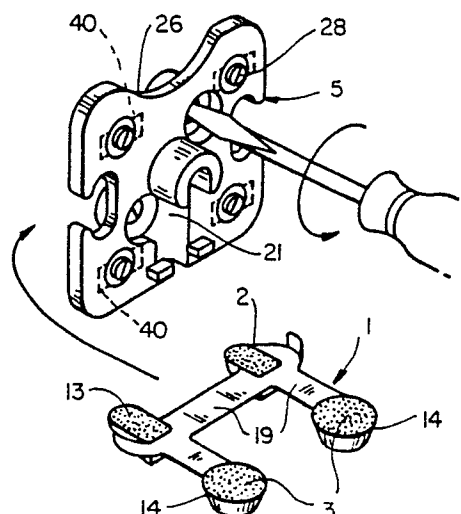


FIG. 11



EP 86 30 6401

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	US-A-4 186 986 (SHOEMAKER) * Abstract; column 1, line 34 - column 2, line 62; column 4, lines 3-66; claims 1,3; figures 1-4 *	1-5	H 01 R 4/70 H 01 R 9/16
A	---	7,8	
A,D	EP-A-0 108 518 (RAYCHEM) * Whole document *	1	
D,P	---		
A	EP-A-0 174 165 (RAYCHEM) * Abstract; claims *	1	

			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			H 01 R 4/00 H 01 R 9/00 H 02 G 3/00 H 02 G 15/00 H 01 R 13/00
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03-12-1987	Examiner RIEUTORT A.S.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	