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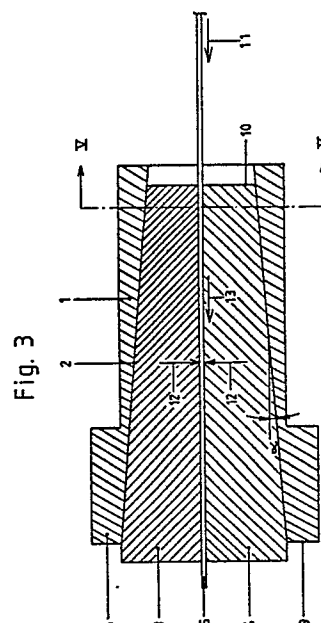
A device for anchoring a tendon and a process for preparing prestressed concrete.

Apparatus for anchoring at least one oblong tension member (5) of a fibre (e.g. aramid) reinforced resin matrix. It comprises a clamping member (3, 4) made of synthetic plastic material and positioned in a housing (1) for exerting an external drawing force in the longitudinal direction of the tension member (5), in which both the clamping member (3, 4) and the housing (1) or an element connected thereto are provided with cooperating contact surfaces slanting with respect to the tension member (5) for transferring said external drawing force to the tension member (5), the slanting surfaces being directed at a sharp angle α to the longitudinal direction of the tension member (5) extending from the inside (10) of the apparatus to an other point to attachment, particularly for use in pre-stressed concrete. An apparatus which can be readily produced and which may used a number of times can be obtained, if

(A) the clamping member (3, 4) consists of a block-shaped element which is already solidified, and in particular substantially pore-free, before the introduction thereof into the housing (1),

(B) it is releasably connected, during pre-stressing, to the tension member (5) directly through frictional contact and compressive forces, and

(C) preferably, it extends over at least 50-80% of the length of the housing (1).





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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)
Y	US-A-3 111 569 (RUBENSTEIN) * Column 1, lines 34-44, column 6, lines 35-45, 65-74, column 13, lines 48-49, column 14, lines 71-75, column 15, lines 1-6, column 24, lines 43-53, figures 1, 7, 12, 13, 14, 15 *	1, 2, 5-7, 11, 12, 13, 18	E 04 C 5/12
A		8, 9, 10	
Y	--- NL-A- 293 083 (HÜTTEN- UND BERGWERKE) * Page 3, lines 7-19, page 4, lines 5-9, page 5, lines 6-15, claim 1, figure 1 *	1, 2, 5-7, 11, 12, 13, 18	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A, D	--- DE-A-2 515 423 (FELTEN) * Page 3, paragraph 1; page 5, paragraphs 1, 2, 3; page 6, paragraphs 1, 2; page 7, paragraphs 3, 4; page 8, paragraph 1; claims 1, 3; figures 1, 2, 3 *	1-4, 8-10, 14	E 04 C
A	--- US-A-4 297 414 (MATSUMOTO) * Claims 1, 2, 3, 7, 14; figures 20, 21 *	8	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21-10-1987	Examiner HENDRICKX X.
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	



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	US-A-4 483 727 (EICKMAN) * Claims 1,8; figures 1,2,3 *	8,9,10	
A	FR-A-1 237 901 (S.T.U.P.) * Page 3, column 1, paragraphs 2,6; page 5, column 1, paragraph 5, figures 1-9 *	16	
A	NL-A-6 413 152 (S.T.U.P.) * Page 2, lines 28-36, page 3, lines 1-10,26-36, page 4, lines 1-15, page 6, lines 13-17, claims 1,2,3,4,5,9, figures 1,2,4,6 *	17	
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