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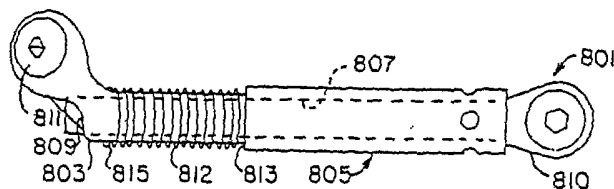
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(54) Title: BIMAXILLARY JAW EXPANDING APPLIANCE



(57) Abstract: A new telescoping assembly or advancing sheath and an expansion complex are provided for a maxillary or mandibular arch expander. The advancing sheath (801) is provided with a spring (812) which extends between a forward end of the anterior tube (805) and a forward end of the posterior tube (803). The spring (812) urges the anterior tube (805) rearwardly relative to the posterior tube (803) to compensate for jaw pressure and to help prevent

the jaw pressure from threading the anterior tube (805) rearwardly. The expansion complex includes an outer housing and an advancing member which is telescopically received in the outer housing. The two portions of the expansion complex are received in opposed halves of a plate which fits against the mandibular or maxillary arch. A threaded rod and a parallel post extend through the housing. An activation nut is received on the threaded rod, and an activation plate is journaled about both the rod and the post. The activation plate is moved by movement of the activation nut. A spring is journaled about the post between the forward end of the advancing member and the activation plate. The nut is accessible through a channel in the top surface of the housing and advancing member.

WO 02/074179 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : A61C 3/00		
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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) U.S. : 433/7, 19		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3,284,902 A (DILLBERG et al) 15 November 1966 (15.11.1966), column 2, lines 9-35.	8, 14
A	US 4,795,342 A (JONES) 03 January 1989 (03.01.1989), column 3, lines 15-45.	1, 14
A	US 5,711,667 A (VOGT) 27 January 1998 (27.01.1998), column 5, lines 50-67.	1, 14
A	US 5,738,514 A (DEVINCENZO et al) 14 April 1998 (14.04.1998), column 2, lines 35-52.	5
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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Continuation of B. FIELDS SEARCHED Item 3:

BRS

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