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(54) Title: HIGH DENSITY LOW PRESSURE PLASMA SPRAYED FOCAL TRACKS FOR X-RAY ANODES

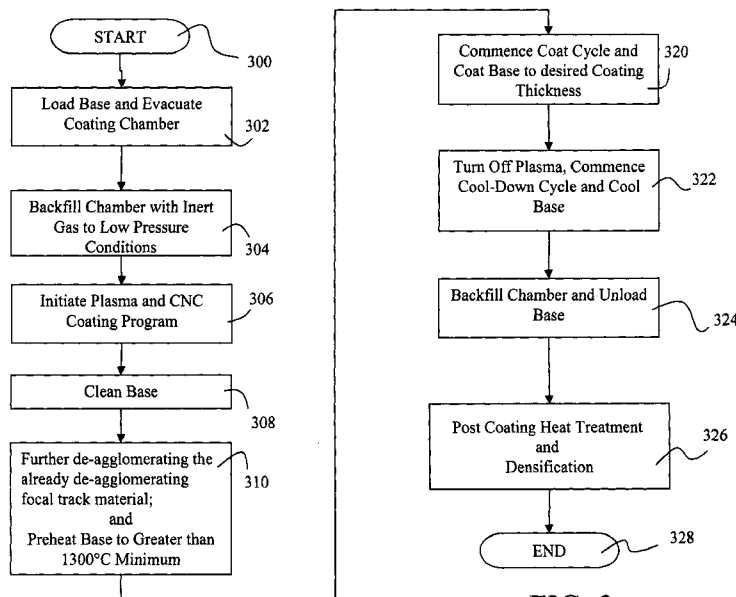


FIG. 3

(57) Abstract: This invention involves the application of dense, metallurgically bonded deposits of tungsten and tungsten rhenium coatings onto preformed based x-ray anodes to be used as focal tracks. The coatings are applied by low pressure DC plasma spraying. The invention also includes heat treatments that further densify th as-applied coatings improving their suitability for use as focal tracks.

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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - H01J 35/10 (2008.04) USPC - 378/144 According to International Patent Classification (IPC) or to both national classification and IPC		
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Minimum documentation searched (classification system followed by classification symbols) IPC(8) - H01J 35/10 (2008.04) USPC - 378/144		
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) MicroPatent		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	US 4,870,672 A (LINDBERG) 26 September 1989 (26.09.1989) entire document	7-37, 39-40, 42, 44,46-50
Y	US 6,570,960 B1 (KUZNIAR et al) 27 May 2003 (27.05.2003) entire document	9-10
Y	GB 1 464 511 (ELYARD et al) 16 February 1977 (16.02.1977) entire document	11
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Y	US 2006/0142853 A1 (WANG et al) 29 June 2006 (29.06.2006) entire document	23
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	US 3,959,557 A (BERRY) 25 May 1976 (25.05.1976) entire document	34-35
Y	US 4,444,500 A (FLINSENBERG et al) 24 April 1984 (24.04.1984) entire document	36
Y	US 5,981,123 A (MATSUO et al) 09 November 1999 (09.11.1999) entire document	18
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