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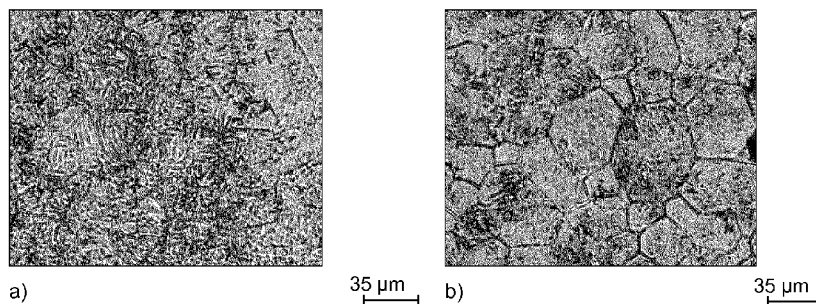
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(54) Title: HEAT-TREATMENT OF AN ALLOY FOR A BEARING COMPONENT

Figure 5



(57) Abstract: A method for preparing a titanium alloy for a bearing component comprising: (i) providing an alloy composition comprising: from 5 to 7 wt% Al, from 3.5 to 6 wt% V, from 0.5 to 6 wt% Mo, from 0.2 to 4.5 wt% Fe, from 0.05 to 2.5 wt% Cr, optionally one or more of the following elements up to 2.5 wt% Zr, up to 2.5 wt% Sn, up to 0.5 wt% C, and the balance comprising Ti together with unavoidable impurities; (ii) heating the alloy to a temperature T below the (α + β)-transition temperature T_β and then quenching; and (iii) ageing the alloy at a temperature of from 400 to 600°C.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
INV.	C22C14/00 F16C29/04	C22F1/18 F16C31/04
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B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) C22C C22F F16C		
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) EPO-Internal, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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