

**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number
EP 14 79 4166

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 406 566 B1 (ISHIDA KIYOHITO [JP] ET AL) 18 June 2002 (2002-06-18) * abstract * * examples 4, 9, 11, 13 *	1-13	INV. C22C9/01 C22C9/05 C22F1/08 C22F1/00
X	SUTOU Y ET AL: "Grain size dependence of pseudoelasticity in polycrystalline Cu-Al-Mn-based shape memory sheets", ACTA MATERIALIA, ELSEVIER, OXFORD, GB, vol. 61, no. 10, 10 April 2013 (2013-04-10), pages 3842-3850, XP028591114, ISSN: 1359-6454, DOI: 10.1016/J.ACTAMAT.2013.03.022 * the whole document *	1-3,6-9, 12,13	
A		4,5,10, 11	
X	Yuji Sutou: "Development of Cu-Al-Mn-based Shape Memory Alloys with Enhanced Ductility", Materia Japan, vol 42, nr.11, 20 November 2003 (2003-11-20), pages 813-821, XP055294456, Retrieved from the Internet: URL:https://www.jstage.jst.go.jp/article/materia1994/42/11/42_11_813/_pdf [retrieved on 2016-08-09] * the whole document *	1-3,6-9, 12,13	
A		4,5,10, 11	
<p>-----</p> <p>The supplementary search report has been based on the last set of claims valid and available at the start of the search.</p>			
Place of search Munich		Date of completion of the search 4 April 2017	Examiner von Zitzewitz, A
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims:

**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-3, 6-9, 12, 13

This invention relates to a product having specific grain size ratios.

2. claims: 4, 5, 10, 11

This invention relates to a method for producing an alloy having a specific composition and including a specific memory heat treatment.

EP 14 79 4166

04-04-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6406566 B1	18-06-2002	JP 3300684 B2	08-07-2002
		JP 2001020026 A	23-01-2001
		US 6406566 B1	18-06-2002
