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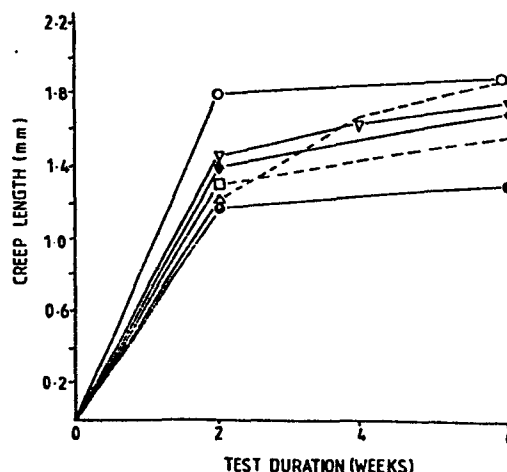
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(54) Light duty corrosion resistant contacts.

(57) Inlaid base metal or alloy bodies suitable for use as or from which may be fabricated, electrical contact elements in which the contact zones are constituted by the inlay or inlays or portions thereof, the inlay or inlays being formed from one or more cerrosive resistant alloys consisting of, apart from impurities, gold, silver and one or more platinum group metals with, optionally minor proportions of one or more of copper nickel, and indium. In addition to the expected intrinsic anti-corrosive properties whereby low contact resistance can be maintained, the alloys referred to surprisingly also exhibit a tendency to inhibit 'edge creep' from the boundary between the base metal or alloy and the inlay, an effect which has been the most prolific cause of failure with conventional inlaid contacts.

Fig.1.



○ 75 Au/25Ag
 □ 71 Au/26Ag/3NE
 △ 58.5 Au/24.5 Ag/17P
 ▽ 37.5 Au/29.5Ag/30Pd/3Cn
 ◆ 37 Au/33Ag/30 Pd
 ● 32 Au/34Ag/34Pd



European Patent
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EUROPEAN SEARCH REPORT

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EP 82 30 6608

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. 3)
Y	DE-A-2 540 956 (W.C. HERAEUS) * Page 1 *	1,2,11	H 01 H 1/02
Y	DE-A-2 637 807 (W.C. HERAEUS) * Page 1 *	1,2,5,6	
A	EP-A-0 027 520 (W.C. HERAEUS) * Claims 1-8 *	1,14	
A	US-A-2 226 944 (BELL TELEPHONE) * Figure 6 *	1	
A	DE-B-1 078 774 (WESTERN ELECTRIC CY.) * Column 5; claim 1 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			H 01 H 1/00
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14-04-1983	Examiner JANSSENS DE VROOM P.
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			