

Title (en)  
LIGHT DUTY CORROSION RESISTANT CONTACTS

Publication  
**EP 0082647 A3 19830727 (EN)**

Application  
**EP 82306608 A 19821210**

Priority  
GB 8137209 A 19811210

Abstract (en)  
[origin: EP0082647A2] 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.

IPC 1-7  
**H01H 1/02**

IPC 8 full level  
**H01H 1/02** (2006.01); **H01H 1/023** (2006.01)

CPC (source: EP)  
**H01H 1/023** (2013.01)

Citation (search report)  
• [Y] DE 2540956 A1 19770407 - HERAEUS GMBH W C  
• [Y] DE 2637807 A1 19780223 - HERAEUS GMBH W C  
• [A] EP 0027520 A1 19810429 - HERAEUS GMBH W C [DE]  
• [A] US 2226944 A 19401231 - REEVE HOWARD T  
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Cited by  
EP1041591A3; DE3420231C1; EP0163904A3

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0082647 A2 19830629; EP 0082647 A3 19830727**; JP S58502154 A 19831215; WO 8302195 A1 19830623

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