

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
• [A] DE 1078774 B 19600331 - WESTERN ELECTRIC CO

Cited by
EP1041591A3; DE3420231C1; EP0163904A3

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
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