

Title (en)  
CONTACT ELEMENT

Publication  
**EP 0177955 A3 19870715 (DE)**

Application  
**EP 85112842 A 19851010**

Priority  
DE 8430109 U 19841012

Abstract (en)  
[origin: EP0177955A2] A contact element (1) is used for connecting loose power leads (12) to a printed-circuit board (10), which contact element (1) is electrically conductively connected to the printed-circuit board (10) by means of integrally formed solder tabs (2), and is provided with at least one opening (6, 8) for holding the power leads (12), in which opening the power leads (12) are clamped in a positive-locking manner such that they make an electrical contact. The openings (6, 8) preferably have the shape of holes whose diameter is somewhat smaller than that of the power leads (12). One opening (6) is connected to one of the outer edges (4) of the contact element (1) by a wedge-shaped cut-out (5) which is continued in the shape of a slot up to the second opening. The contact element is especially suitable for electronic ballast units in compact low-pressure discharge lamps and makes the removal of oxide from the power leads (12) superfluous. <IMAGE>

IPC 1-7  
**H01R 4/24**

IPC 8 full level  
**H01R 4/24** (2006.01); **H01R 12/55** (2011.01); **H01R 4/02** (2006.01)

CPC (source: EP KR)  
**H01R 4/2425** (2013.01 - EP); **H01R 13/02** (2013.01 - KR); **H01R 4/02** (2013.01 - EP)

Citation (search report)  
• [X] EP 0053219 A1 19820609 - KRONE GMBH [DE]  
• [X] EP 0045153 A1 19820203 - AMP INC [US]  
• [X] EP 0034000 A2 19810819 - AMP INC [US]  
• [A] DE 1259992 B 19680201 - KRONE GMBH  
• [A] EP 0021731 A1 19810107 - AMP INC [US]  
• [A] EP 0101290 A2 19840222 - MOLEX INC [US]  
• [A] DE 2152250 A1 19720504 - AMP INC

Cited by  
EP0244017A1; US6741453B1; WO0007263A1; WO9944398A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0177955 A2 19860416; EP 0177955 A3 19870715**; DE 8430109 U1 19860213; JP S6196677 A 19860515; KR 860003682 A 19860528

DOCDB simple family (application)  
**EP 85112842 A 19851010**; DE 8430109 U 19841012; JP 22501185 A 19851011; KR 850007438 A 19851010