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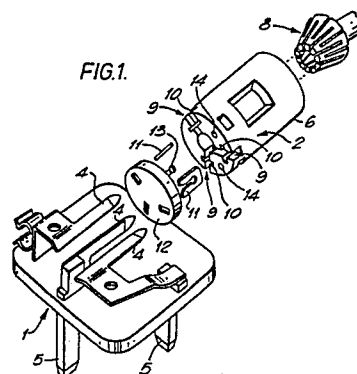
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54 Improvements relating to electrical plugs.

57 An electrical plug of a type for domestic use consists of a body portion 1 and an insert portion 2 enterable into the body portion 1. The insert portion 2 comprises an axially directed lead receiving bore 7 in communication with radially directed conductor receiving channels 9 intersected by respective insulation displacement backup pieces 11. In use, a power supply lead is assembled to the insert portion 2 by the placement of conductors 15 in the conductor receiving channels 9 and the insert portion 2 can then be entered into the body portion 1 where insulation piercing pins 4 drive the conductors 15 into insulation displacing contact with the backup pieces 11 and pierce into insulation on the conductors to establish electrical connection between the plug and the power supply lead. The lead can be clamped to

the insert portion 2 by way of a radially expandable and contractible clamping core 8 which co-operates with a complementarily shaped recess in the insert portion to clamp the lead when the insert portion is urged inwardly by insert portion driving member 3.



EP 0 287 352 A3



EP 88 30 3327

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.4)
A	WO-A-8302531 (HAYES DEREK) * abstract; figures 1-16 * ---	1	H01R19/06 H01R31/06 H01R4/24
A	US-A-3980380 (CIENIAWA ET AL.) * column 2, line 5 - column 3, line 5; figures 1-23 * ---	1	
D,A	WO-A-8200387 (USHER HARMAN, CUNNINGHAM DAVID) * page 3, line 13 - page 9, line 35; figures 1-2 * ---	1	
D,A	EP-A-162597 (LAPIDUS, S. H. ET AL) * page 11, line 3 - page 21, line 21; figures 1-21 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			H01R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 31 JANUARY 1990	Examiner TAPPEINER R.
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			