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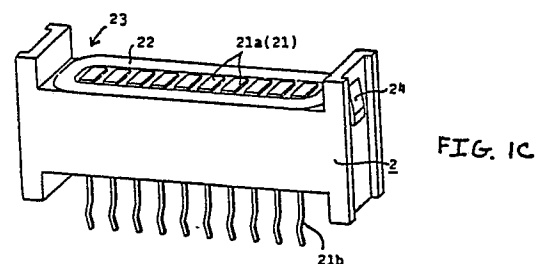
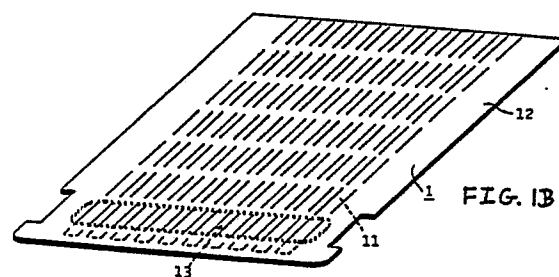
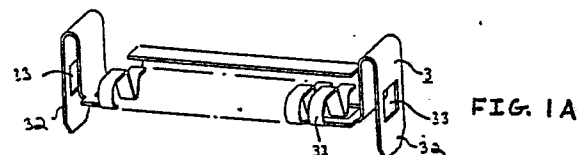
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25.04.90 Bulletin 90/17(71) Applicant: **THOMAS & BETTS CORPORATION**
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CARPMAELS & RANSFORD 43 Bloomsbury
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London WC1A 2RA(GB)(54) **Waterproof electrical connector assembly.**

(57) A board (1) is provided with a plurality of spaced conductors (11), covered by a waterproof film (12) on one surface thereof, with a window (13) through the film (12) exposing selected portions of the conductors (11). A connector housing (2) supports a plurality of electrical contacts (21) that are brought into electrical engagement with the conductors (11) through the window (13). A compressible ring (22) surrounds the housing contacts (21) and the window (13) and is sandwiched between the board (1) and the housing (2). A spring-biased holding member (3), latched to the housing (2), urges the board (1) resiliently toward the housing (2), causing the electrical engagement between the board conductors (11) and the housing contacts (21) and also compressing the ring (22) around the window (13) to provide a waterproof seal around the electrical junctures.



EP 0 280 486 A3



EP 88 30 1468

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	US-A-4618915 (ILLINOIS TOOL WORK INC.) * column 2, lines 46 - 66; figure 1 * ---	1	H01R13/52 H01R23/70
A	US-A-4626823 (BOURNS) * column 3, lines 28 - 31; figures 1-5 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			H01R H05K
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 FEBRUARY 1990	Examiner CERIBELLA G.
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			