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(71) Applicant: **ITT Manufacturing Enterprises, Inc.
Wilmington, Delaware 19801 (US)**

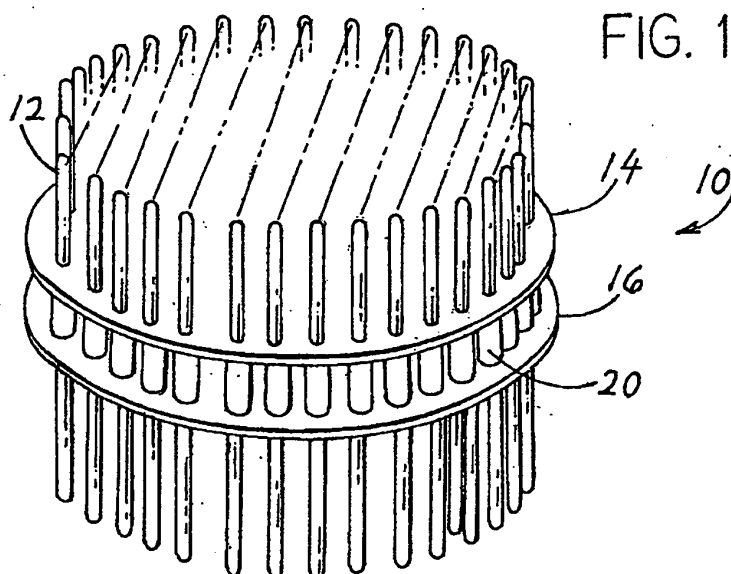
(72) Inventor: **Mahaffy, Neil Allan
92509 Riverside
CA (US)**

(74) Representative: **Steimle, Josef
Patentanwälte
Dreiss, Fuhlendorf, Steimle & Becker,
Postfach 10 37 62
70032 Stuttgart (DE)**

(54) **Filter connector with high frequency shield**

(57) A shield is provided that blocks high frequency EMI (electromagnetic interference) from reaching circuitry that is connected to pins of a filter connector. The filter connector includes a plurality of pins (12) that extend through holes (28) in first boards (26), with each pin joined by a solder joint (90) to a signal trace (32, 60) that surrounds the pin hole. Filter components such as capacitors (40), each have one terminal (44) joined to a signal trace and another terminal (42) joined to a ground trace

(30), with a gap (62) between the traces. Second boards (75) are provided that each lies facewise adjacent to a first board and that each carries a shield trace (72) that covers the gap between signal and ground traces. The pin-receiving hole in each second board has a circular portion and has a notch (100) therein through which a solder dispenser (102) can fit to dispense solder directly into the space between and on the pin and the signal traces.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 07 02 1702

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 1 July 2008	Examiner Kardinal, Ingrid
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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The members are as contained in the European Patent Office EDP file on
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