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(74) Agent: **MOGA, Thomas, T.**; Butzel Long, Stoneridge West, 41000 Woodward Avenue, Bloomfield Hills, MI 48304 (US).

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(71) Applicant (*for all designated States except US*): **TRANS-MATIC MANUFACTURING CO., INC.** [US/US]; 300 East 48th Street, Holland, MI 49423 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **POLL, Steven, Allen** [US/US]; 10467 Bridgewater Drive, Zeeland, MI 49464 (US). **DALESSANDRO, Ronald, Mark** [US/US]; 7827 Railyard Drive, Ryron Center, MI 49315 (US). **SIX, Russel, Christopher** [US/US]; 9011 Brickersville Drive, Weat Olive, MI 49460 (US).

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(54) Title: CRIMP SLEEVE CONNECTOR HAVING CRIMP INDICATOR

(57) Abstract: A crimp sleeve connector is provided for the secure connection of a tube and a fitting. The crimp sleeve connector is substantially positionable on the fitting and the tube is inserted between the fitting and the crimp sleeve connector. The connector includes a crimp ear which extends through the body of the crimp sleeve connector. At least one o-ring is fitted over the fitting in such a position that when the tube, fitting and crimp sleeve connector are in place the o-ring functions to maintain a fluid-tight seal. An alternative embodiment of the crimp sleeve connector includes a crimp indicator in the form of a band which falls away after crimping, thus allowing visual confirmation that the crimp ear has been crimped.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H01R 9/05; H01R 4/18 (2007.01)

USPC - 439/585, 730

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC - 439/585, 730

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 439/585, 730, 741, 877-882 (search terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(USPT,PGPB,EPAB,JPAB); Google Scholar

Search terms - ear, crimp, sleeve, fitting, breakable

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 4,928,202 A (GALE et al.) 22 May 1990 (22.05.1990), entire document, especially Figures 1 and 2	1, 4, 8-10 and 14 ----- 2, 3, 5, 11-13 and 15
Y	US 5,282,295 A (OETIKER) 1 February 1994 (01.02.1994), Figure 2, Element 22	2 and 12
Y	US 2003/0116972 A1 (DAIGNEAUL) 26 June 2003 (26.06.2003), paragraph [0004]	5 and 15
Y	US 4,493,525 A (HALL et al.) 15 January 1985 (15.01.1985), FIG. 1	3, 11, 13
A	US 4,884,432 A (WATSON) 5 December 1989 (05.12.1989), entire document	1 and 9

☐ Further documents are listed in the continuation of Box C.

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"&" document member of the same patent family

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Authorized officer:

Lee M. Young

PCT Helpdesk: 571-272-4300

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