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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H01R 29/00		A1	(11) International Publication Number: WO 99/16154
			(43) International Publication Date: 1 April 1999 (01.04.99)
(21) International Application Number: PCT/US98/19293 (22) International Filing Date: 16 September 1998 (16.09.98) (30) Priority Data: 08/937,574 25 September 1997 (25.09.97) US 09/128,203 3 August 1998 (03.08.98) US (71) Applicant: TRU-CONNECTOR CORPORATION [US/US]; 245 Lynnfield Street, Peabody, MA 01960 (US). (72) Inventor: KOCH, Richard, M.; 32 Pine Hill Circle, Wakefield, MA 01880 (US). (74) Agent: PERREAULT, Donald, J.; Lorusso & Loud, 440 Commercial Street, Boston, MA 02190 (US).			(81) Designated States: CN, JP, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report.

(54) Title: CONNECTOR WITH INTEGRAL SWITCH ACTUATING CAM

(57) Abstract

An electrical connector including an outer shell (16), and an integral rotatable cam shell (10) positioned over the outer shell. The cam shell (10) has at least one switch actuating cam (12, 14) extending radially from an outer surface thereof. Upon mating of the connector with a mating connector assembly (5), the cam shell (10) is rotated to cause the cam (12, 14) to contact a switch (38) and thereby change the switch from an open state wherein current flow through the connector is interrupted to a closed state wherein current is allowed to flow through the connector and the mating connector. Preferably, the connector further includes a spring (30) positioned between the outer shell and the cam shell. The spring biases the cam shell against the outer shell axially in a direction away from the mating connector.

