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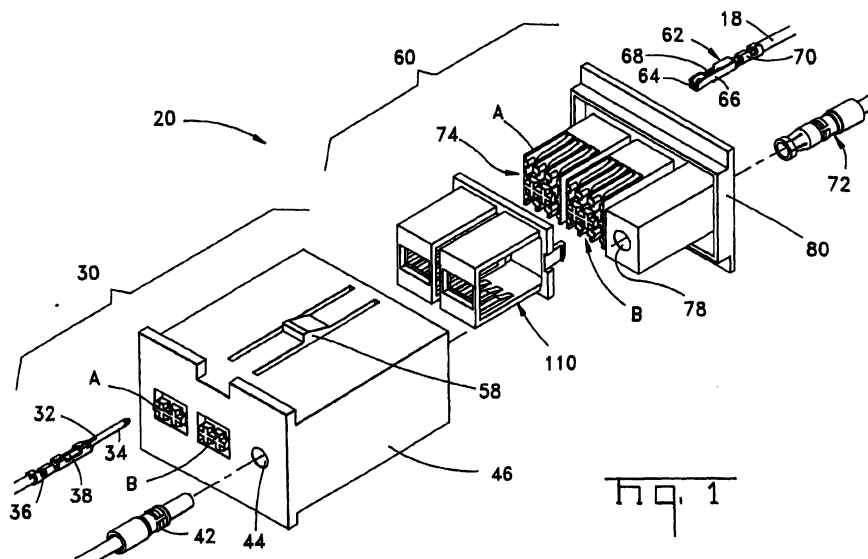
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(54) Automotive cellular phone connector assembly

(57) An electrical connector assembly (20) for use in connecting portable electronic devices, such as cellular telephones, to the electrical system of a motor vehicle. The electrical connector assembly (20) includes a plug connector (30) that can be attached to a cord for connection to the portable electronic device. A mating receptacle connector (60) is permanently mounted in the motor vehicle and is attached to an automotive wiring harness. The receptacle connector (60) includes a terminal position assurance member (110) that forms a

front cover of the receptacle connector (60) when properly positioned. Primary terminal latches securing receptacle terminals (62) in a housing (74) of the receptacle connector (60) are exposed on the top and bottom surfaces of the housing (74) and prevent full seating of the assurance member (110) on the housing (74) when any receptacle terminals are not correctly latched into the housing (74). Terminals (62) can therefore be positioned on the relatively close centerlines characteristic of electrical connectors used with portable electronic devices.



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EUROPEAN SEARCH REPORT

Application Number
EP 99 30 3913

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Place of search THE HAGUE		Date of completion of the search 8 May 2000	Examiner Serrano Funcia, J
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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