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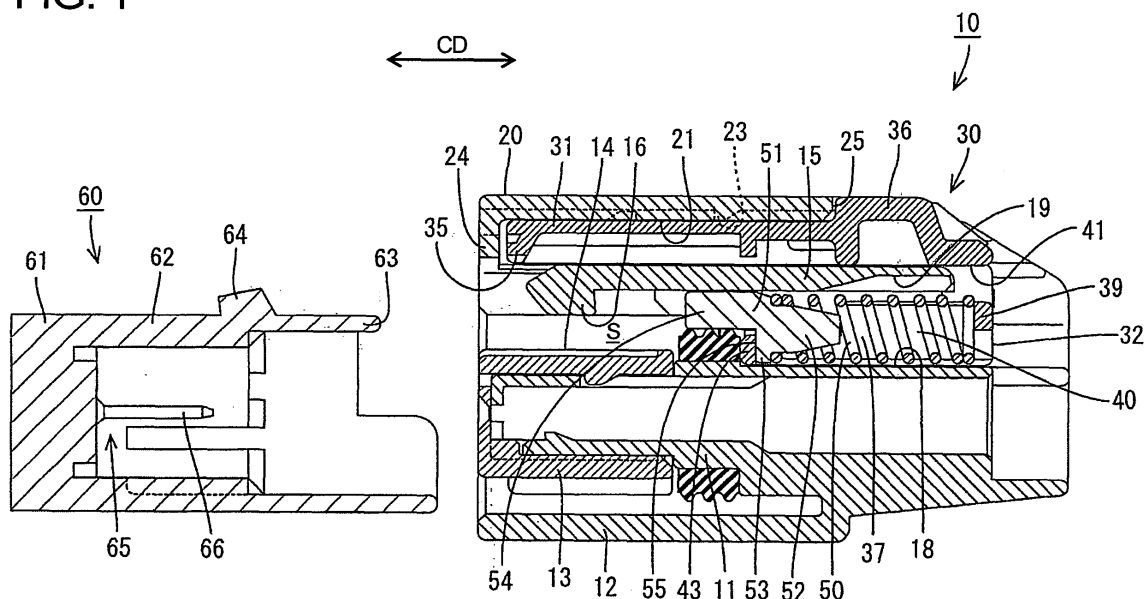
(54) **A connector and a connector assembly**

(57) An object of the present invention is to miniaturize a connector.

A space for permitting the entrance of a receptacle 62 of a second connector housing 60 is defined between a connection circumferential surface 14 of a first connector housing 10 and a lock arm 15. Out of the space between the connection circumferential surface 14 of the

first connector housing 10 and the lock arm 15, an area (accommodation space 18) where the receptacle 62 does not enter is a dead space. A spring member 50 is accommodated into this dead space. Thus, it is not necessary to provide a space exclusively used to arrange the spring member 50 and a connector can be miniaturized as a whole.

FIG. 1





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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 26 October 2006	Examiner Jiménez, Jes s
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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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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