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(54) **WEARABLE ELECTRONIC DEVICE**

(57) A wearable electronic device is provided. The wearable electronic device includes a main body and a wearing unit that allows the main body to be worn on a user's body. The wearing unit may include a first wearing member extending from the main body, a binding member coupled to the first wearing member to be moved in a longitudinal direction of the first wearing member, and a driving member installed in the first wearing member to move the binding member.

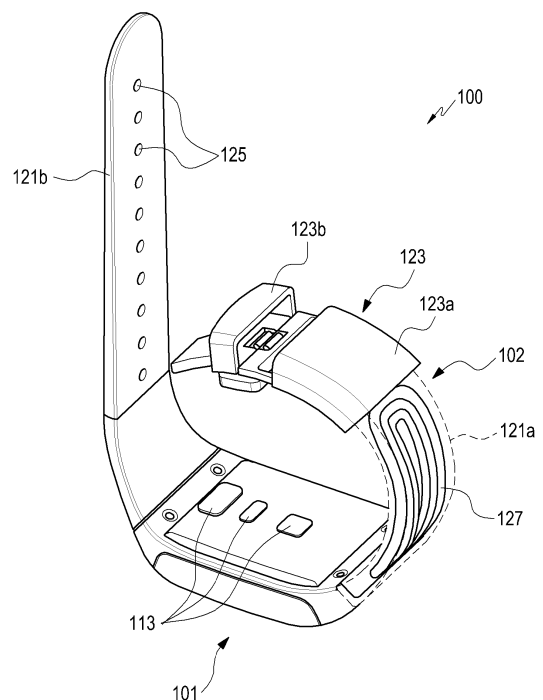


FIG.4

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Place of search Munich		Date of completion of the search 5 July 2016	Examiner Vertua, Arturo
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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The present search report has been drawn up for all claims				
Place of search Munich		Date of completion of the search 5 July 2016	Examiner Vertua, Arturo	
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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 5 July 2016	Examiner Vertua, Arturo
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

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Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

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No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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see sheet B

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All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

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As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

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Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

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None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

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The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



LACK OF UNITY OF INVENTION
SHEET B

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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1. claims: 1-9

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A wearable electronic device comprising: a main body; and a wearing unit that allows the main body to be worn on a user's body, wherein the wearing unit comprises: a first wearing member extending from the main body; a binding member coupled to the first wearing member to be moved in a longitudinal direction of the first wearing member; and a driving member installed in the first wearing member to move the binding member, wherein a first end fixed to the main body or the first wearing member, and a second end connected to the binding member, and wherein, when an electric signal is applied, the wire contracts so as to move the binding member in a direction of reducing a length of the wearing unit.

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2. claims: 10, 11

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A wearable electronic device comprising: a main body; and a wearing unit that allows the main body to be worn on a user's body, wherein the wearing unit comprises: a first wearing member extending from the main body; a binding member coupled to the first wearing member to be moved in a longitudinal direction of the first wearing member; and a driving member installed in the first wearing member to move the binding member, with a link assembly having four joint portions formed by coupling four links to be pivotal in relation to each other.

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3. claim: 12

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A wearable electronic device comprising: a main body; and a wearing unit that allows the main body to be worn on a user's body, wherein the wearing unit comprises: a first wearing member extending from the main body; a binding member coupled to the first wearing member to be moved in a longitudinal direction of the first wearing member; and a driving member installed in the first wearing member to move the binding member, wherein the driving member includes a wire made of at least one of an artificial muscle, a shape memory alloy, and an electro-active polymer, EAP.

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4. claim: 13

A wearable electronic device comprising: a main body; and a wearing unit that allows the main body to be worn on a user's body, wherein the wearing unit comprises: a first wearing member extending from the main body; a binding member



LACK OF UNITY OF INVENTION
SHEET B

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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coupled to the first wearing member to be moved in a longitudinal direction of the first wearing member; and a driving member installed in the first wearing member to move the binding member, wherein the wearing unit further includes a second wearing member extending from the main body in a direction away from the first wearing member, and wherein, the binding member is bound with the second wearing member so as to keep the wearing unit in a closed curve shape.

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5. claims: 14, 15

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A wearable electronic device comprising: a main body; and a wearing unit that allows the main body to be worn on a user's body, wherein the wearing unit comprises: a first wearing member extending from the main body; a binding member coupled to the first wearing member to be moved in a longitudinal direction of the first wearing member; and a driving member installed in the first wearing member to move the binding member, wherein the main body includes at least one biometric signal sensor disposed on one surface thereof, and wherein, when the main body is worn on the user's body by the wearing unit, the or each biometric signal sensor is positioned to face the user's body.

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

ANNEX TO THE EUROPEAN SEARCH REPORT
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专利名称(译)	可穿戴电子设备		
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申请号	EP2015188390	申请日	2015-10-05
[标]申请(专利权)人(译)	三星电子株式会社		
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当前申请(专利权)人(译)	SAMSUNG ELECTRONICS CO. , LTD.		
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IPC分类号	G06F1/16 A44C5/04 A61B5/00		
CPC分类号	A61B5/02055 A61B5/6801 G06F1/163 G06F3/011 G06F2203/011 A44C5/04 A61B5/0022 A61B5/01 A61B5/026 A61B5/0402 A61B5/4806 A61B5/681 A61B5/6843 H05K5/0086 H05K5/0217 H05K5/0221		
优先权	1020140147587 2014-10-28 KR		
其他公开文献	EP3015948A2 EP3015948B1		
外部链接	Espacenet		

摘要(译)

提供了一种可穿戴电子设备。可穿戴电子设备包括主体和佩戴单元，其允许主体佩戴在用户的身体上。所述穿着单元可包括：第一穿着构件，从所述主体延伸；结合构件，结合到所述第一穿着构件以在所述第一穿着构件的纵向方向上移动；以及驱动构件，安装在所述第一穿着构件中以移动所述第一穿着构件。绑定成员。

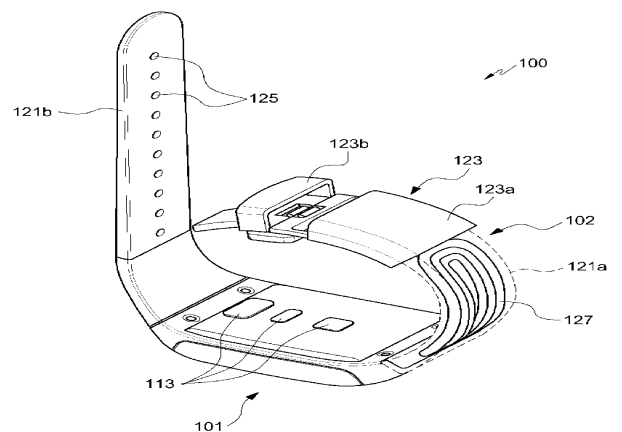


FIG. 4