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- **Bang, Seok-won**
Gangnam-gu, Seoul 135-230 (KR)
- **Kim, Jeong-hwan**
Seodaemun-gu, Seoul (KR)
- **Lee, Hyoung-ki**
Paldal-gu, Suwon-City, Kyungki-do (KR)

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(74) Representative: **Greene, Simon Kenneth et al**
Elkington and Fife,
Prospect House,
8 Pembroke Road
Sevenoaks, Kent TN13 1XR (GB)

(71) Applicant: **SAMSUNG ELECTRONICS CO., LTD.**
Suwon-City, Kyungki-do (KR)

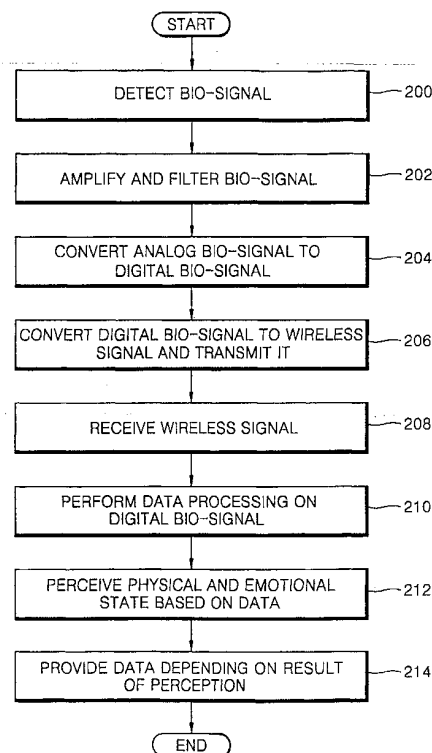
(72) Inventors:

- **Kim, Jay-woo**
Yongin-city, Kyungki-do (KR)

(54) **Apparatus and method for perceiving physical and emotional states of a person**

(57) An apparatus and method for perceiving a physical and emotional state, which allows easy attachment to and detachment from a human body, and through which a bio-signal is simply detected, are provided. The apparatus includes a bio-signal detection part attached to a predetermined portion of a body for performing analog signal processing on at least one bio-signal detected from the body and outputting the processed bio-signal, and a bio-signal recognizing part for performing digital signal processing on the processed bio-signal received from the bio-signal detection part, perceiving the physical and emotional state from the result of the digital signal processing, and representing the physical and emotional state. Accordingly, the apparatus can be conveniently attached to a predetermined portion of a user's body, a bio-signal transmitted wirelessly or through a wire can be easily detected, a physical and emotional state which is perceived based on the detected bio-signal can be reported to the user, and a rapidly changing emotional state or an emotional state which remains for a long time can be perceived in real time.

FIG. 2





European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 30 6989

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A61B
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 16 April 2003	Examiner Völlinger, M
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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EP 01 30 6989

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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16-04-2003

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专利名称(译)	用于感知人的身体和情绪状态的装置和方法		
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申请(专利权)人(译)	SAMSUNG ELECTRONICS CO. , LTD.		
当前申请(专利权)人(译)	SAMSUNG ELECTRONICS CO. , LTD.		
[标]发明人	KIM JAY WOO BANG SEOK WON KIM JEONG HWAN LEE HYOUNG KI		
发明人	KIM, JAY-WOO BANG, SEOK-WON KIM, JEONG-HWAN LEE, HYOUNG-KI		
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其他公开文献	EP1183997A2		
外部链接	Espacenet		

摘要(译)

提供了一种用于感知身体和情绪状态的装置和方法，其允许容易地附接到人体和从人体分离，并且通过该装置和方法简单地检测生物信号。该装置包括生物信号检测部分和生物信号识别部分，生物信号检测部分附着到身体的预定部分，用于对从身体检测到的至少一个生物信号执行模拟信号处理并输出处理后的生物信号，生物信号识别部分用于执行对从生物信号检测部分接收的处理过的生物信号进行数字信号处理，从数字信号处理的结果中感知物理和情绪状态，并表示身体和情绪状态。因此，该装置可以方便地连接到用户身体的预定部分，可以容易地检测无线或通过电线传输的生物信号，可以报告基于检测到的生物信号感知的身体和情绪状态。对用户而言，可以实时感知快速变化的情绪状态或长时间保持的情绪状态。

FIG. 2

