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(54) **Method and apparatus for measuring skin moisture**

(57) A set of reference moisture value of the plurality of sample skin is measured with conventional skin moisture measuring device. Then a set of standard calibration equation is provided from calculating a set of measured reflectance spectra of calibration and the set of reference moisture value by using the multivariate regression, and it is stored at a memory. The next steps are to measure skin moisture of test skin with reference to the set of standard calibration equation stored at the memory.

By radiating near infrared on the test skin and sensing a set of reflectance spectra with the portable skin moisture measuring apparatus by using near infrared reflectance spectroscopy system, the skin moisture is measured at a repeatable and stable way, regardless of the variation of temperature or humidity of the external circumstance.

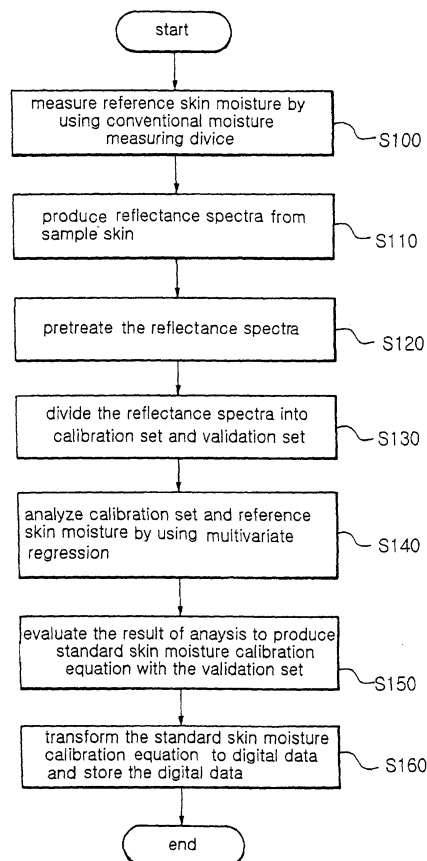


FIG. 3



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EUROPEAN SEARCH REPORT

Application Number
EP 00 30 8664

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	P WALLING, J DABNEY: "Moisture in skin by near-infrared spectroscopy" JOURNAL OF SOCIETY OF COSMETIC CHEMISTS, vol. 40, no. 3, 1 May 1989 (1989-05-01), pages 151-171, XP002203808 * page 164 - page 170 * -----	8,10-12	G01N21/35 A61B5/103
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A61B G01N
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
MUNICH	27 June 2002	Croucher, J	
CATEGORY OF CITED DOCUMENTS		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	
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			

EPO FORM 1503 03.82 (F04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 30 8664

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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27-06-2002

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EPO FORM P0159

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

专利名称(译)	用于测量皮肤水分的方法和设备		
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其他公开文献	EP1184663A2		
外部链接	Espacenet		

摘要(译)

用传统的皮肤水分测量装置测量多个样品皮肤的一组参考水分值。然后，通过使用多元回归计算一组测量的校准反射光谱和参考水分值组，提供一组标准校准方程，并将其存储在存储器中。接下来的步骤是参考存储在存储器中的一组标准校准方程来测量测试皮肤的皮肤水分。通过使用近红外反射光谱系统，利用便携式皮肤水分测量装置在测试皮肤上辐射近红外并感测一组反射光谱，无论温度或湿度如何变化，都可以以可重复且稳定的方式测量皮肤水分。外部环境。

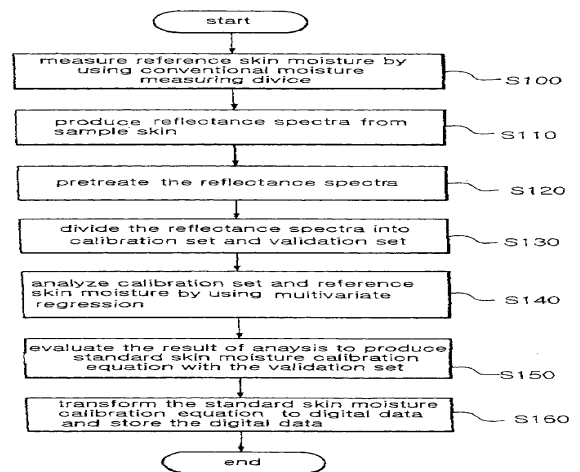


FIG. 3