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Gupta

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(54) **METHOD AND TEST STRIPS FOR THE MEASUREMENT OF FAT LOSS DURING WEIGHT LOSS PROGRAMS**

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(56) **References Cited**

U.S. PATENT DOCUMENTS

3,212,855	A		10/1965	Mast et al.	23/253
4,147,514	A		4/1979	Magers et al.	23/230
4,348,205	A	*	9/1982	Lipton et al.	23/230
4,440,724	A		4/1984	Tabb et al.	422/56
5,510,245	A		4/1996	Magers	435/26
5,618,686	A		4/1997	Kojima et al.	435/26
5,633,143	A		5/1997	Ueda et al.	435/26
5,801,059	A		9/1998	Smith et al.	436/128
5,902,731	A	*	5/1999	Ouyang et al.	435/26
6,200,773	B1		3/2001	Ouyang et al.	435/26
6,420,128	B1	*	7/2002	Ouyang et al.	435/14

OTHER PUBLICATIONS

Byrne, Hilary et al.; "Evaluation of an. ." Diabetes Care, vol. 23, No. 4, Apr. 2000.

* cited by examiner

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(57) **ABSTRACT**

A method for monitoring the progress of fat loss in a patient during a weight loss program which comprises, contacting a body fluid sample from said patient with a solid test strip to provide a color indication of the presence in said body fluid of β-hydroxybutyrate, optionally together with acetoacetate and/or acetone.

39 Claims, No Drawings