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(54) Title: NON-HYDROXIDE BASE AND PROTEIN DENATURANT HAIR STRAIGHTENING COMPOSITION AND
PROCESS

(57) Abstract: A process for straightening or relaxing hair involving the steps of : (a) providing a hair straightening/relaxing com-
position containing : (i) from about 0.1 to about 50% by weight of at least one non-hydroxide base; (11) from about greater than
0% to about 50% of at least one protein denaturant; and (in) remainder, to 100%, a cosmetically acceptable medium, all weights
based on the weight of the hair straightening/relaxing composition; (b) contacting the hair with the hair straightening/relaxing
composition to form treated hair; (c) optionally, rinsing the hair straightening/relaxing composition from the treated hair; (d) op-
tionally, contacting the treated hair with a non- volatile oil; and(e) smoothing the treated hair using a combination of heat and
means for physically smoothing hair.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61Q 5/04 (2009.01)

USPC - 424/70.2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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USPC: 424/70.2, 70.1

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

USPTO WEST (USPT, PGPUB, EPAB, JPAB); straighten\$, relax\$, hair, ethyleneamine, ethanolamine, arginine, lysine, urea, guanidine, heat\$, monoethanolamine

Google Scholar; 'nitrogen base protein denaturant hair straightening'

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/0280896 A1 (NGUYEN, et al.) 06 December 2007 (06.12.2007), [Abstract], para[0016]-[0019], [0028]-[0030], [0032], [0035]	1-23
Y	US 2006/0228316 A1 (CANNELL, et al.) 12 October 2006 (12.10.2006), para[0045]	1-23
Y	US 5,854,319 A (O'LENICK, Jr., et al.) 29 December 1998 (29.12.1998), [Abstract], col 1, ln 46-49; col 5, ln 24	9

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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