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Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

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Michelle K. Lee

Director of the United States Patent and Trademark Office



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(12) **United States Patent**
Petitjean

(10) **Patent No.:** **US 9,173,834 B2**
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(54) **REGENERATION COMPOSITION AND METHOD FOR NATURAL HAIR RECOLORATION AND STIMULATION OF HAIR GROWTH BY PROCESSED MAKROOT FRUIT EXTRACT**

(2013 01), *A61Q 5/00* (2013 01), *A61Q 5/10* (2013 01), *A61Q 7/00* (2013 01)

(58) **Field of Classification Search**
None
See application file for complete search history

(76) Inventor **Max W. Petitjean, Tokyo (JP)**

(56) **References Cited**

(*) Notice Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U S C 154(b) by 0 days

FOREIGN PATENT DOCUMENTS

(21) Appl No **14/395,882**

JP 7126129 A 5/1995
JP 2001031528 A 2/2001
JP 2004083416 A 3/2004
JP 2007270134 A * 10/2007

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OTHER PUBLICATIONS

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* cited by examiner

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(57) **ABSTRACT**

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The invention refers to a natural hair re-coloration and hair growth composition comprising boiled Makroot fruit (*Citrus hystrix* DC Rutaceae) that when applied returns white or grey hair to its original color and causes newly re grown hair to return to its original color as well. The composition also stimulates hair growth. It is composed of natural organic ingredients and thus the composition is low cost and easy to prepare and the application of the composition is quite simple.

(52) **U.S. Cl.**
CPC **A61K 8/97 (2013 01), A61K 36/752**

7 Claims, 2 Drawing Sheets