

## Title (en)

METHODS USING PHYTOL TO IMPROVE THE APPEARANCE OF SKIN AND COMPOSITIONS FOR SUCH METHODS

## Title (de)

VERFAHREN ZUR VERWENDUNG VON PHYTOL UM DAS ERSCHEINUNGSBILD DER HAUT ZU VERBESSERN UND ZUBEREITUNGEN FÜR SOLCHE VERFAHREN

## Title (fr)

METHODES UTILISANT DU PHYTOL DESTINEES A L'AMELIORATION DE L'APPARENCE DE LA PEAU ET COMPOSITIONS CORRESPONDANTES

## Publication

**EP 1261314 A4 20030611 (EN)**

## Application

**EP 01910453 A 20010208**

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## Abstract (en)

[origin: WO0166080A1] There are provided methods of enhancing the appearance of human skin comprising applying a composition having (i) phytol in an amount about 0.0001 wt% to about 50 wt% based on the total weight of the composition, and (ii) at least one retinoid in an amount about 0.001 wt% to about 1.5 wt% based on the total weight of the composition. Alternatively, the composition used in the method for enhancing the appearance of human skin may have phytol and perilla oil.

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## IPC 8 full level

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## Citation (search report)

- [E] DE 10038641 A1 20020214 - NAU HEINZ [DE]
- [A] WO 9503772 A1 19950209 - UNILEVER PLC [GB], et al
- [A] WO 9836742 A1 19980827 - UNIV MICHIGAN [US]
- [A] WO 9319743 A1 19931014 - UNIV MICHIGAN [US], et al
- [A] US 5719195 A 19980217 - BRAIMAN MARK S [US]
- [A] US 5670547 A 19970923 - MILSTEIN ELLIOTT A [US], et al
- [A] WO 9709039 A2 19970313 - US HEALTH [US], et al
- [A] WO 9014093 A1 19901129 - UNIV IOWA STATE RES FOUND INC [US]
- [A] NAPOLI J L: "Interactions of retinoid binding proteins and enzymes in retinoid metabolism", BIOCHEMICA AND BIOPHYSICA ACTA, vol. 1440, no. 2-3, 22 September 1999 (1999-09-22), nl, pages 139 - 162, XP004277240
- [A] SUTISAK KITAREEWAN ET AL: "PHYTOL METABOLITES ARE CIRCULATING DIETARY FACTORS THAT ACTIVATE THE NUCLEAR RECEPTOR RXR", MOLECULAR BIOLOGY OF THE CELL, BETHESDA, MD, US, vol. 7, no. 8, 1 August 1996 (1996-08-01), pages 1153 - 1166, XP000611599, ISSN: 1059-1524
- See references of WO 0166080A1

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