

Title (en)

USE OF A SYNERGISTIC MIXTURE OF POLYPHENOLS AND VITAMIN COMPOUNDS IN COSMETIC AND DERMATOLOGICAL COMPOSITIONS AND METHODS FOR CAPTURING FREE RADICALS ON THE SKIN AND SKIN APPENDICES

Title (de)

VERWENDUNG EINER MISCHUNG VON POLYPHENOLEN UND VITAMINVERBINDUNGEN IN KOSMETISCHEN UND DERMATOLOGISCHEN ZUSAMMENSETZUNGEN UND VERFAHREN ZUM AUFFANGEN VON FREIEN RADIKALEN AUF DER HAUT UND HAUTANHANGSGEBILDEN

Title (fr)

UTILISATION D'UN MELANGE SYNERGIQUE DE POLYPHENOLS ET DE COMPOSES VITAMINIQUES DANS DES COMPOSITIONS COSMETIQUES ET DERMATOLOGIQUES ET PROCEDE DE CAPTURE DE RADICAUX LIBRES AU NIVEAU DE LA PEAU ET DE PHANERES

Publication

EP 1133275 A1 20010919 (FR)

Application

EP 00917177 A 20000411

Priority

- FR 0000914 W 20000411
- FR 9904695 A 19990413

Abstract (en)

[origin: WO0061095A1] The use of a synergistic mixture of polyphenols and vitamin compounds in cosmetic and dermatological compositions for optimised capture of free radicals on the skin and skin appendices requires a specific study of the capture of free radicals such as hydroxyl radical and/or such as superoxide anion and/or peroxy lipid radical in validated in vitro models so as to know the real capture behaviour of each of the active principles of the proposed mixture; depending on the quantified results it is possible to determine the reciprocal proportions of each of the constituents. An in vitro study providing the percentage of respective cutaneous penetration specific to each constituent of the synergistic mixture enables an optimal galenical formulation. It is possible to establish a standard galenical formulation of the various polyphenolic and vitamin constituents so as to actually obtain synergy in the capture of free radicals in vivo. Among several mixtures a combination of troxerutine, alpha - tocopheryl succinate and ascorbyl palmitate has been studied in particular.

IPC 1-7

A61K 7/48

IPC 8 full level

A61K 8/49 (2006.01); **A61K 8/67** (2006.01); **A61K 31/355** (2006.01); **A61K 31/375** (2006.01); **A61P 17/00** (2006.01); **A61Q 17/04** (2006.01)

CPC (source: EP)

A61K 8/498 (2013.01); **A61K 8/676** (2013.01); **A61K 8/678** (2013.01); **A61P 17/00** (2017.12); **A61Q 17/04** (2013.01)

Citation (search report)

See references of WO 0061095A1

Cited by

US10732171B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0061095 A1 20001019; AU 3827200 A 20001114; EP 1133275 A1 20010919; FR 2793686 A1 20001124; FR 2793686 B1 20011228

DOCDB simple family (application)

FR 0000914 W 20000411; AU 3827200 A 20000411; EP 00917177 A 20000411; FR 9904695 A 19990413