

Title (en)

USE OF AN ISOTHIOCYANATE, A THIOCYANATE OR A MIXTURE THEREOF AS DEPIGMENTING AGENT

Title (de)

VERWENDUNG EINES ISOTHIOCYANATS, EINES THIOCYANATS ODER IHRER MISCHUNG ALS HAUTDEPIGMENTIERUNGSMITTEL

Title (fr)

UTILISATION D'UN ISOTHIOCYANATE, D'UN THIOCYANATE OU DE LEUR MELANGE EN TANT QUE DEPIGMENTANT

Publication

**EP 1353644 A1 20031022 (FR)**

Application

**EP 02700395 A 20020124**

Priority

- FR 0200288 W 20020124
- FR 0101078 A 20010126

Abstract (en)

[origin: FR2820036A1] The invention concerns the use if isothiocyanate of general formula (I):  $R_1-N=C=S$  wherein:  $R_1$  represents an alkyl, alkenyl, alkynyl, aryl, acetyl, alkylcarbonyl, alkoxy, cycloalkyl, aryloxy, arylcarbonyl group, carboxylic acid or a  $-(CH_2)_nR_3$  group wherein  $n$  represents an integer ranging between 1 and 5 and  $R_3$  represents a polar functional group, advantageously a halogen atom, a sulphoxide, carbonyl, nitro, thioester, thioether, sulphonyl, sulphinyl, nitrile group, carboxylic acid, carboxylic ester, alkylthio or hydroxyl, a thiocyanate of general formula (II):  $R_2-S=C=N$  wherein:  $R_2$  represents an alkyl, alkenyl, alkynyl, aryl, acetyl, alkylcarbonyl, alkoxy, cycloalkyl, aryloxy, arylcarbonyl group, carboxylic acid, carboxylic ester or a  $-(CH_2)_nR_3$  group, wherein  $n$  represents an integer ranging between 1 and 5 and  $R_3$  represents a polar functional group, advantageously a halogen atom, a sulphoxide, carbonyl, nitro, thioester, thioether, sulphonyl, sulphinyl, nitrile group, carboxylic acid, carboxylic ester, alkylthio or hydroxyl, or mixtures thereof for making a medicine or a cosmetic composition for inhibiting tyrosinase.

IPC 1-7

**A61K 7/48**

IPC 8 full level

**A61K 8/30** (2006.01); **A61K 8/00** (2006.01); **A61K 8/40** (2006.01); **A61K 8/46** (2006.01); **A61K 8/96** (2006.01); **A61K 8/97** (2006.01); **A61K 31/26** (2006.01); **A61P 17/00** (2006.01); **A61Q 19/00** (2006.01); **A61Q 19/02** (2006.01); **A61Q 19/08** (2006.01)

CPC (source: EP KR US)

**A61K 8/40** (2013.01 - EP US); **A61K 8/46** (2013.01 - KR); **A61K 8/9789** (2017.08 - EP US); **A61K 31/26** (2013.01 - EP KR US); **A61K 36/31** (2013.01 - KR); **A61P 17/00** (2018.01 - EP KR); **A61Q 19/02** (2013.01 - EP KR US); **A61Q 19/08** (2013.01 - EP KR US); **A61K 2800/782** (2013.01 - EP KR US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**US 2004077715 A1 20040422**; CA 2435942 A1 20020801; CZ 20032012 A3 20040114; EP 1353644 A1 20031022; FR 2820036 A1 20020802; FR 2820036 B1 20051209; HU P0303018 A2 20031229; JP 2004520371 A 20040708; KR 20030086256 A 20031107; MX PA03006731 A 20041015; PL 364826 A1 20041227; SK 9612003 A3 20040302; WO 02058664 A1 20020801

DOCDB simple family (application)

**US 47007903 A 20031204**; CA 2435942 A 20020124; CZ 20032012 A 20020124; EP 02700395 A 20020124; FR 0101078 A 20010126; FR 0200288 W 20020124; HU P0303018 A 20020124; JP 2002558998 A 20020124; KR 20037009921 A 20030726; MX PA03006731 A 20020124; PL 36482602 A 20020124; SK 9612003 A 20020124