

Title (en)

METHODS AND COMPOSITIONS FOR THE TREATMENT OF SICKLE CELL DISEASES AND THALASSEMIA

Title (de)

VERFAHREN UND ZUSAMMENSETZUNGEN ZUR BEHANDLUNG VON SICHELZELLANÄMIE UND THALASSÄMIE

Title (fr)

PROCÉDÉS ET COMPOSITIONS POUR LE TRAITEMENT DE LA DRÉPANOCYTOSE ET DE LA THALASSÉMIE

Publication

**EP 3790545 A4 20210728 (EN)**

Application

**EP 19742516 A 20190717**

Priority

US 2019000033 W 20190717

Abstract (en)

[origin: WO2021010937A1] The present invention is generally directed to methods and compositions for the treatment of sickle cell diseases and thalassemia. It is more particularly directed to compositions containing L-glutamine, an L-glutamine salt or an L-glutamine derivative and at least one other active ingredient and methods using such compositions. In one aspect, the present invention is directed to a composition for treating sickle cell disease or  $\beta$ -thalassemia. The composition comprises: at least one gram of L-glutamine, an L-glutamine salt or an L-glutamine derivative; and, at least one gram of one type of fiber.

IPC 8 full level

**A61K 31/365** (2006.01); **A61K 31/198** (2006.01); **A61K 31/551** (2006.01); **A61K 31/716** (2006.01); **A61K 45/06** (2006.01); **A61P 7/06** (2006.01)

CPC (source: EP)

**A61K 31/198** (2013.01); **A61K 31/365** (2013.01); **A61K 31/551** (2013.01); **A61K 31/716** (2013.01); **A61P 7/06** (2017.12)

Citation (search report)

- [Y] WO 2013095681 A1 20130627 - EMMAUS MEDICAL INC [US]
- [Y] US 5693671 A 19971202 - NIIHARA YUTAKA [US], et al
- See references of WO 2021010937A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2021010937 A1 20210121**; EP 3790545 A1 20210317; EP 3790545 A4 20210728

DOCDB simple family (application)

**US 2019000033 W 20190717**; EP 19742516 A 20190717