

Title (en)

SUBSTITUTION OF THE MESSENGER RNA CAP WITH TWO RNA SEQUENCES INTRODUCED AT THE 5' END THEREOF

Title (de)

SUBSTITUTION DER MESSENGER-RNA-KAPPE MIT ZWEI AN DESSEN 5' -ENDE EINGEFÜHRTEN RNA-SEQUENZEN

Title (fr)

SUBSTITUTION DE LA COIFFE DES ARN MESSAGERS PAR DEUX SÉQUENCES D'ARN INTRODUITES À LEUR EXTRÉMITÉ 5

Publication

**EP 3794144 A1 20210324 (FR)**

Application

**EP 19730400 A 20190515**

Priority

- FR 1854052 A 20180515
- FR 2019051103 W 20190515

Abstract (en)

[origin: WO2019220058A1] The invention relates to a messenger ribonucleic acid (mRNA) molecule devoid of a capping molecule, of which the cost of in vitro transcription synthesis is greatly reduced, comprising, from 5'-end to 3'-end, at least one copy of a consensus sequence GUCAGRYC(N7-19)GCCA(N2-19) UGCNRYCUG which is resistant to exoribonuclease Xrn1, a copy of an internal ribosome entry site (IRES) RNA sequence, and an open reading phase.

IPC 8 full level

**C12Q 1/6865** (2018.01); **C12N 15/115** (2010.01); **C12N 15/67** (2006.01); **C12P 19/34** (2006.01); **C12P 21/02** (2006.01)

CPC (source: EP US)

**A61P 37/04** (2017.12 - US); **C07K 14/005** (2013.01 - US); **C12N 7/00** (2013.01 - US); **C12N 15/115** (2013.01 - US); **C12N 15/67** (2013.01 - EP); **C12P 19/34** (2013.01 - EP); **C12N 2310/16** (2013.01 - US); **C12N 2310/3513** (2013.01 - US); **C12N 2770/32222** (2013.01 - US); **C12N 2770/32271** (2013.01 - US); **C12P 21/02** (2013.01 - EP)

Citation (search report)

See references of WO 2019220058A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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**FR 2019051103 W 20190515**; AU 2019270556 A 20190515; CA 3136882 A 20190515; CN 201980040513 A 20190515; EP 19730400 A 20190515; FR 1854052 A 20180515; JP 2020564651 A 20190515; US 201917055061 A 20190515