Title (en)

CELL CYCLE BLOCK IMPROVES EFFICIENCY IN GENERATING INDUCED PLURIPOTENT STEM CELLS

Title (de)

ZELLZYKLUSBLOCK ZUR VERBESSERUNG DER EFFIZIENZ BEI DER HERSTELLUNG INDUZIERTER PLURIPOTENTER STAMMZELLEN

Title (fr)

LE BLOCAGE DU CYCLE CELLULAIRE AMÉLIORE L'EFFICACITÉ DE PRODUCTION DE CELLULES SOUCHES PLURIPOTENTES INDUITES

Publication

EP 3370744 A4 20190417 (EN)

Application

EP 16862739 A 20161027

Priority

- US 201562249520 P 20151102
- US 2016059112 W 20161027

Abstract (en)

[origin: WO2017079029A1] Disclosed are methods for generating an induced pluripotent stem cell (iPSC) by arresting the cell cycle of a cell, and then transforming the cell to the iPSC.

IPC 8 full level

A61K 35/545 (2015.01); **A61K 35/12** (2015.01); **A61K 35/17** (2015.01); **A61K 35/35** (2015.01); **C12N 5/071** (2010.01)

CPC (source: EP KR)

A61K 35/17 (2013.01 - EP KR); **A61K 35/545** (2013.01 - EP KR); **C12N 5/0696** (2013.01 - EP KR); C12N 2501/602 (2013.01 - EP KR); C12N 2501/603 (2013.01 - EP KR); C12N 2501/604 (2013.01 - EP KR); C12N 2501/606 (2013.01 - EP KR); C12N 2506/11 (2013.01 - EP KR); C12N 2510/00 (2013.01 - KR)

Citation (search report)

- [X] WO 2012136841 A1 20121011 - INST NAT SANTE RECH MED [FR], et al
- [X] WO 2010111422 A2 20100930 - SALK INST FOR BIOLOGICAL STUDI [US], et al
- [Y] WO 2011060100 A1 20110519 - SANFORD BURNHAM MED RES INST [US], et al
- [Y] KESHI CHEN ET AL: "Gadd45a is a heterochromatin relaxer that enhances iPS cell generation", EMBO REPORTS, vol. 17, no. 11, 4 October 2015 (2015-10-04), pages 1641 - 1656, XP055564950, ISSN: 1469-3178, DOI: 10.15252/embr.201642402
- See also references of WO 2017079029A1

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

DOCDB simple family (publication)

WO 2017079029 A1 20170511; CN 108348556 A 20180731; EP 3370744 A1 20180912; EP 3370744 A4 20190417; IL 258640 A 20180628; JP 2018531610 A 20181101; KR 20180072817 A 20180629

DOCDB simple family (application)

US 2016059112 W 20161027; CN 201680063137 A 20161027; EP 16862739 A 20161027; IL 25864018 A 20180411; JP 2018521503 A 20161027; KR 20187015171 A 20161027