

Title (en)

COMPOSITIONS AND METHODS FOR ENHANCING SPERM FUNCTION

Title (de)

ZUSAMMENSETZUNGEN UND VERFAHREN ZUR ERHÖHUNG DER SPERMIENFUNKTIONEN

Title (fr)

COMPOSITIONS ET MÉTHODES POUR AMÉLIORER LA FONCTION SPERMATIQUE

Publication

EP 3817675 A1 20210512 (EN)

Application

EP 19889765 A 20191127

Priority

- US 201862773448 P 20181130
- US 201862773453 P 20181130
- US 201862773462 P 20181130
- US 201862773471 P 20181130
- US 201862773433 P 20181130
- US 201862773440 P 20181130
- US 201916282204 A 20190221
- US 201916282217 A 20190221
- US 201916282224 A 20190221
- US 201962914803 P 20191014
- US 2019063687 W 20191127

Abstract (en)

[origin: WO2020113061A1] The disclosure provides, inter alia, methods of improving sperm function and related methods of fertilization, together with preparations of activated or potentiated sperm. The methods provided by the disclosure, in some embodiments entail energy depletion with subsequent staged reintroduction of different energy sources. The disclosure additionally provides articles of manufacture suitable for performing the methods provided by the invention. The invention provides kits for separating sperm and for processing and preparing sperm for, in some embodiments, IVF or IUI. Also provided are nutrient free reagents useful preparing sperm.

IPC 8 full level

A61B 17/43 (2006.01); **C12N 5/073** (2010.01)

CPC (source: EP)

C12N 5/061 (2013.01); **C12N 15/873** (2013.01); **C12N 2517/10** (2013.01)

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 2020113061 A1 20200604; EP 3817675 A1 20210512; EP 3817675 A4 20210901; IL 282515 A 20210630; JP 2021529554 A 20211104

DOCDB simple family (application)

US 2019063687 W 20191127; EP 19889765 A 20191127; IL 28251521 A 20210421; JP 2021522059 A 20191127