

(19)



(11)

EP 3 752 634 B8

(12)

CORRECTED EUROPEAN PATENT SPECIFICATION

(15) Correction information:

Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 72

(48) Corrigendum issued on:

11.10.2023 Bulletin 2023/41

(45) Date of publication and mention of the grant of the patent:

31.08.2022 Bulletin 2022/35

(21) Application number: **19707960.1**(22) Date of filing: **11.02.2019**

(51) International Patent Classification (IPC):

C12Q 1/6834 (2018.01)

(52) Cooperative Patent Classification (CPC):

(C-Sets available)

C12Q 1/6834

(Cont.)

(86) International application number:

PCT/US2019/017521

(87) International publication number:

WO 2019/160820 (22.08.2019 Gazette 2019/34)

(54) **DNA SEQUENCING USING HYDROGEL BEADS**

DNA-SEQUENZIERUNG UNTER VERWENDUNG VON HYDROGELPERLEN

SÉQUENÇAGE D'ADN À L'AIDE DE BILLES D'HYDROGEL

(84) Designated Contracting States:

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

(30) Priority: **13.02.2018 US 201862630175 P**

(43) Date of publication of application:

23.12.2020 Bulletin 2020/52

(60) Divisional application:

22178045.5 / 4 083 225
23187175.7 / 4 253 562

(73) Proprietor: **Illumina, Inc.**

San Diego, CA 92122 (US)

(72) Inventors:

- **WU, Yir-Shyuan**
San Diego, California 92122 (US)
- **GORPE- YASAR, Filiz**
San Diego, California 92122 (US)
- **KHURANA, Tarun Kumar**
San Diego, California 92122 (US)
- **POPIC, Victoria**
San Diego, California 92122 (US)

• **JAEGER, Erich B.**

San Diego, California 92122 (US)

• **RONAGHI, Mostafa**

San Diego, California 92122 (US)

(74) Representative: **Murgitroyd & Company**

Murgitroyd House
165-169 Scotland Street
Glasgow G5 8PL (GB)

(56) References cited:

WO-A1-2006/125458 WO-A1-2014/145555
WO-A1-2016/004234 WO-A1-2016/004234
WO-A1-2017/075265 WO-A1-2017/075265

- **LAN FREEMAN ET AL: "Single-cell genome sequencing at ultra-high-throughput with microfluidic droplet barcoding. (includes Online Methods)", NATURE BIOTECHNOLOGY,, vol. 35, no. 7, 1 July 2017 (2017-07-01), pages 640-646, 4pp, XP002785526, ISSN: 1546-1696, DOI: 10.1038/NBT.3880**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 3 752 634 B8

(52) Cooperative Patent Classification (CPC): (Cont.)

C-Sets

**C12Q 1/6834, C12Q 2523/101, C12Q 2527/156,
C12Q 2531/119, C12Q 2535/122, C12Q 2563/149,
C12Q 2563/159, C12Q 2565/629**