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- (71) **Applicants:** **ILLUMINA, INC.** [US/US]; 5200 Illumina Way, San Diego, California 92122 (US). **ILLUMINA CAMBRIDGE LIMITED** [GB/GB]; 19 Granta Park, Great Abington, Cambridge CB21 6DF (GB).
- (72) **Inventors:** **VERITY, Susan C.**; c/o Illumina Cambridge Limited, 19 Granta Park, Great Abington, Cambridge CB21 6DF (GB). **KUERSTEN, Robert Scott**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US).

GORMLEY, Niall Anthony; c/o Illumina Cambridge Limited, 19 Granta Park, Great Abington, Cambridge CB21 6DF (GB). **KENNEDY, Andrew B.**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **SCHULTZABERGER, Sarah E.**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **SLATER, Andrew**; c/o Illumina Cambridge Limited, 19 Granta Park, Great Abington, Cambridge CB21 6DF (GB). **BELL, Emma**; c/o Illumina Cambridge Limited, 19 Granta Park, Great Abington, Cambridge CB21 6DF (GB). **RICOLT, Sebastien Georg Gabriel**; c/o Illumina Cambridge Limited, 19 Granta Park, Great Abington, Cambridge CB21 6DF (GB). **DESANTIS, Grace**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **KAPER, Fiona**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **CHUANG, Han-Yu**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **MILLER, Oliver John**; c/o Illumina Cambridge Limited, 19 Granta Park, Great Abington, Cambridge CB21 6DF (GB). **BETLEY, Jason Richard**; c/o Illumina Cambridge Limited, 19 Granta Park, Great Abington, Cambridge CB21 6DF (GB). **GROSS, Stephen**; c/o Illumina, Inc., 5200 Il-

(54) **Title:** METHODS OF PREPARING DIRECTIONAL TAGMENTATION SEQUENCING LIBRARIES USING TRANSPOSON-BASED TECHNOLOGY WITH UNIQUE MOLECULAR IDENTIFIERS FOR ERROR CORRECTION

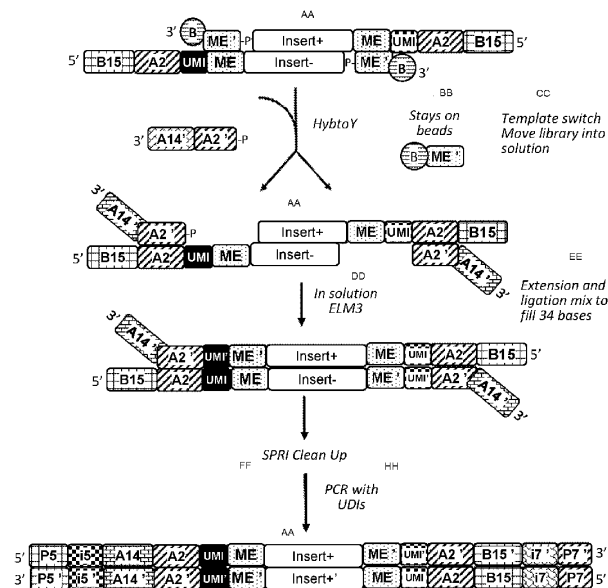


Fig. 2

(57) **Abstract:** Materials and methods for preparing nucleic acid libraries for next-generation sequencing are described herein. A variety of approaches are described relating to the use of unique molecular identifiers with transposon-based technology in the preparation of sequencing libraries. Also described herein are sequencing materials and methods for identifying and correcting amplification and sequencing errors.

[Continued on next page]

lumina Way, San Diego, California 92122 (US). **EKS-TRAND, Mats**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US).

(74) **Agent: TENG, Poh K.** et al.; McNeill Baur PLLC, 125 Cambridge Park Drive, Suite 301, Cambridge, Massachusetts 02140 (US).

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