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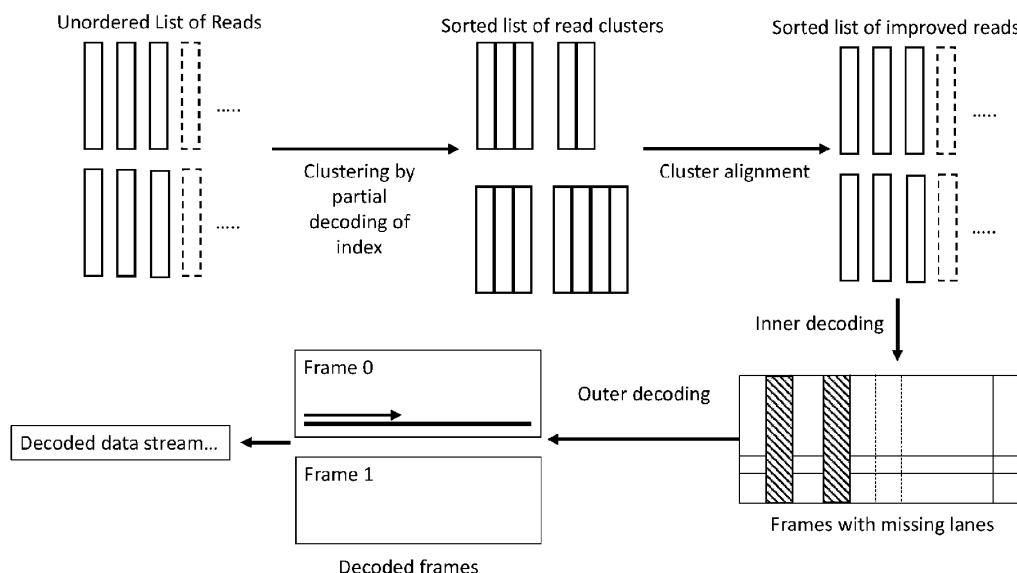


FIG. 7

(57) Abstract: Described herein are systems and methods for encoding digital data into oligonucleotides and decoding the oligonucleotides back into digital data. The encoding and decoding schemes include an inner codec for transforming the digital data into bases, and vice versa. The encoding and decoding schemes also include an outer codec comprising an error correction scheme.

[Continued on next page]

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