

Title (en)
ENGINEERED POLYMERASES

Title (de)
MANIPULIERTE POLYMERASEN

Title (fr)
POLYMÉRASES MODIFIÉES

Publication
EP 4355867 A2 20240424 (EN)

Application
EP 22741923 A 20220617

Priority

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- US 202217705020 A 20220325
- US 2022034021 W 20220617

Abstract (en)
[origin: WO2022266462A2] Provided herein are engineered variants of archaeal, prokaryotic, and eukaryotic polymerases that exhibit enhanced thermostability, enhanced incorporation of 3' modified nucleotides, and improved uracil-tolerance, in polymerase-catalyzed nucleotide extension reactions relative to wild type polymerase enzymes. Also provided are uses of the engineered polymerases for forming complexed polymerases, forming binding complexes and forming ternary complexes, and uses for conducting nucleic acid sequencing reactions.

IPC 8 full level
C12N 9/12 (2006.01); **C12Q 1/6869** (2018.01)

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