

Title (en)
CHARGE-SWITCH NUCLEOTIDES

Title (de)
LADUNGSWECHSEL-NUKLEOTIDE

Title (fr)
NUCLEOTIDES A COMMUTATION DE CHARGES

Publication
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Application
EP 01946213 A 20010607

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- US 87637401 A 20010606
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Abstract (en)
[origin: WO0194609A1] The present invention provides compounds, methods and systems for sequencing nucleic acid using single molecule detection. Using labeled NPs that exhibit charge-switching behavior, single-molecule DNA sequencing in a microchannel sorting system is realized. In operation, sequencing products are detected enabling real-time sequencing as successive detectable moieties flow through a detection channel. By electrically sorting charged molecules, the cleaved product molecules are detected in isolation without interference from unincorporated NPs and without illuminating the polymerase-DNA complex.

IPC 8 full level
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C-Set (source: EP)
C12Q 1/6869 + **C12Q 2565/629** + **C12Q 2565/607** + **C12Q 2565/301**

Citation (search report)

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- See references of WO 0194609A1

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