

Title (en)
DYNAMIC SEQUENCING BY HYBRIDIZATION

Title (de)
DYNAMISCHE SEQUENZIERUNG DURCH HYBRIDISIERUNG

Title (fr)
SEQUEN AGE DYNAMIQUE PAR HYBRIDATION

Publication
EP 1266027 A2 20021218 (DE)

Application
EP 00979642 A 20001129

Priority
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Abstract (en)
[origin: DE19957320A1] Method for sequencing nucleic acid (I) involving at least two hybridization cycles (HC). For the first HC, a carrier is prepared having many hybridization probes (HP), of different sequences and predetermined length, immobilized in individual predetermined regions, and a sample of (I) incubated with this so that hybridization with complementary HP occurs, and regions of the carrier where this happens are identified. The second HC is similar but uses, as HP, the sequences that have hybridized in the preceding cycle but extended by at least one nucleotide. Optionally further cycles are performed, with probes selected and extended as above, until sufficient information about (I) has been obtained. An Independent claim is also included for a carrier for the process in which the probes are (i) of varying sequence and (ii) comprise one or more segments, fixed for at least some probes, of predetermined length p.

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