

Title (en)

CATALYZED NUCLEIC ACID HYBRIDIZATION USING ENZYMATIC REAGENT.

Title (de)

KATALYSIERTE NUKLEINSÄUREHYBRIDISIERUNG MITTELS ENZYMREAGENZ.

Title (fr)

HYBRIDATION D'ACIDES NUCLEIQUES CATALYSES UTILISANT UN REACTIF ENZYMATIQUE.

Publication

EP 0183822 A4 19880829 (EN)

Application

EP 85903113 A 19850531

Priority

US 61620584 A 19840601

Abstract (en)

[origin: WO8505685A1] A hybridization method for treating target DNA fragments to identify known genetic sequences comprises the following steps: disposing the target DNA fragments on a carrier, either a dried gel film or a blotting matrix to which the target DNA fragments are transferred by the southern blotting technique or a variation thereof; forming a hybridization reagent consisting of a radioactive-labelled probe DNA and catalyzing enzymes and cofactors; immersing the carrier in the hybridization reagent for a given period of time; washing the carrier in at least one wash solution; exposing an x-ray film to the carrier; and developing the x-ray film to detect and locate the radioactive-labelled probe DNA. The catalyzing enzymes utilized in forming the hybridization reagent include RecA protein and SSB DNA binding protein in the presence of ATP.

IPC 1-7

G01N 33/50; **G01N 33/58**

IPC 8 full level

G01N 33/50 (2006.01); **C12Q 1/68** (2006.01); **G01N 33/58** (2006.01)

CPC (source: EP)

C12Q 1/68 (2013.01); **C12Q 1/6813** (2013.01); **C12Q 1/6832** (2013.01)

Citation (search report)

- No relevant documents have been disclosed.
- See references of WO 8505685A1

Designated contracting state (EPC)

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