

Title (en)

COMPOSITIONS AND METHODS FOR ENHANCING HYBRIDIZATION SPECIFICITY

Title (de)

ZUSAMMENSETZUNGEN UND VERFAHREN ZUR VERBESSERUNG DER HYBRIDISIERUNGSSPEZIFITÄT

Title (fr)

COMPOSITIONS ET PROCÉDES POUR L'AUGMENTATION DE LA SPÉCIFICITÉ D'HYBRIDATION

Publication

EP 0958378 A2 19991124 (EN)

Application

EP 97944521 A 19970924

Priority

- US 9717413 W 19970924
- US 2662196 P 19960924
- US 71913296 A 19960924

Abstract (en)

[origin: WO9813527A2] Compositions and methods are provided for increasing the specificity of a probe nucleic acid for a target nucleic acid in a hybridization solution. An abasic residue, deoxyNebularine residue, or a hybotrope is used to increase specificity. A method is provided for identifying useful hybotropes, including salts, water miscible organic solvents, aprotic solvents and organic solvents, on the basis of enthalpy considerations. Hybotropic hybridization and modified oligonucleotides may be used in amplification reactions, such as PCR, sequence analysis methods, and genomic screening methods.

IPC 1-7

C12Q 1/68

IPC 8 full level

G01N 33/50 (2006.01); **C07H 21/04** (2006.01); **C12M 1/00** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/15** (2006.01); **G01N 33/566** (2006.01); **G01N 37/00** (2006.01)

CPC (source: EP)

C12Q 1/6832 (2013.01); **C12Q 1/6837** (2013.01)

Citation (search report)

See references of WO 9813527A2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9813527 A2 19980402; **WO 9813527 A3 19980820**; AU 4599797 A 19980417; CA 2266847 A1 19980402; EP 0958378 A2 19991124; JP 2002514909 A 20020521

DOCDB simple family (application)

US 9717413 W 19970924; AU 4599797 A 19970924; CA 2266847 A 19970924; EP 97944521 A 19970924; JP 51598298 A 19970924