

Title (en)
EXONUCLEASE-RESISTANT OLIGONUCLEOTIDES AND METHODS FOR PREPARING THE SAME

Publication
EP 0476071 A4 19921104 (EN)

Application
EP 90913804 A 19900605

Priority
US 36104589 A 19890605

Abstract (en)
[origin: WO9015065A1] A method is provided for making 3' and/or 5' end-capped oligonucleotides so as to render the oligonucleotide resistant to degradation by exonucleases. The exonuclease degradation resistance is provided by incorporating two or more phosphoramidate and phosphoromonothioate and/or phosphorodithioate linkages at the 5' and/or 3' ends of the oligonucleotide, wherein the number of phosphoramidate linkages is less than a number which would interfere with hybridization to a complementary oligonucleotide strand and/or which would interfere with RNaseH activity when the oligonucleotide is hybridized to RNA.

IPC 1-7
C07H 21/00; **C07H 21/04**

IPC 8 full level
C07H 21/00 (2006.01); **C07H 21/04** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP KR)
C07H 21/00 (2013.01 - EP KR)

Citation (search report)
• [XP] WO 8905358 A1 19890615 - UNIV IOWA RES FOUND [US]
• [A] EP 0061746 A1 19821006 - UNIVERSITY PATENTS INC [US]
• [A] WO 8800201 A1 19880114 - CALIFORNIA INST OF TECHN [US]
• [A] WO 8607362 A1 19861218 - UNIVERSITY PATENTS INC [US]

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 9015065 A1 19901213; CA 2058632 A1 19901206; CA 2058632 C 20040824; EP 0476071 A1 19920325; EP 0476071 A4 19921104; JP H05500799 A 19930218; KR 920701230 A 19920811

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