

Title (en)

REACTIVE MONOMERS FOR THE OLIGONUCLEOTIDE AND POLYNUCLEOTIDE SYNTHESIS, MODIFIED OLIGONUCLEOTIDES AND POLYNUCLEOTIDES, AND A METHOD FOR PRODUCING THE SAME

Title (de)

REAKTIVE MONOMERE FÜR DIE OLIGONUCLEOTID- UND POLYNUCLEOTIDSYNTHESE, MODIFIZIERTE OLIGONUCLEOTIDE UND POLYNUCLEOTIDE UND DEREN HERSTELLUNG

Title (fr)

MONOMERES REACTIFS POUR LA SYNTHÈSE D'OLIGONUCLEOTIDES ET DE POLYNUCLEOTIDES, OLIGONUCLEOTIDES ET POLYNUCLEOTIDES MODIFIÉS ET LEUR PROCÉDE DE PRODUCTION

Publication

**EP 1268492 A1 20030102 (DE)**

Application

**EP 01927675 A 20010219**

Priority

- DE 10013600 A 20000318
- EP 0101799 W 20010219

Abstract (en)

[origin: WO0170751A1] The invention relates to the production of modified oligonucleotides and to their use for conjugation reactions. The invention further relates to reagents and to methods for producing aldehyde-modified oligonucleotides that contain aldehydes that are protected (masked) as acetals. Once said acetals are incorporated into the oligonucleotides the oligonucleotides are converted to aldehydes and are used for conjugation. The conjugation reaction can be carried out with the free oligonucleotide or with the oligonucleotide that is still immobilized on the substrate.

IPC 1-7

**C07F 9/24**; **C07F 9/14**; **C07H 19/00**; **C07H 21/00**; **C07D 317/08**

IPC 8 full level

**C07D 317/22** (2006.01); **C07D 317/28** (2006.01); **C07F 9/24** (2006.01); **C07F 9/655** (2006.01); **C07H 21/00** (2006.01); **C07H 21/04** (2006.01); **C12N 15/09** (2006.01)

CPC (source: EP KR US)

**C07D 317/22** (2013.01 - EP US); **C07D 317/28** (2013.01 - EP US); **C07F 9/24** (2013.01 - KR); **C07F 9/2408** (2013.01 - EP US); **C07F 9/2429** (2013.01 - EP US); **C07F 9/65515** (2013.01 - EP US); **C07H 21/00** (2013.01 - EP US)

Citation (search report)

See references of WO 0170751A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 0170751 A1 20010927**; AU 5464801 A 20011003; CA 2402822 A1 20020917; DE 10013600 A1 20020110; EP 1268492 A1 20030102; JP 2004500403 A 20040108; KR 20020087092 A 20021121; US 2003171570 A1 20030911

DOCDB simple family (application)

**EP 0101799 W 20010219**; AU 5464801 A 20010219; CA 2402822 A 20010219; DE 10013600 A 20000318; EP 01927675 A 20010219; JP 2001568952 A 20010219; KR 20027012330 A 20020918; US 22191702 A 20021114