Title: FLUORESCENT PROBES FOR DNA DETECTION BY HYBRIDIZATION WITH IMPROVED SENSITIVITY AND LOW BACKGROUND

Abstract: Minor groove binder-oligonucleotide probes are provided along with methods for their use wherein the probes have an attached fluorophore which, in an unhybridized form exhibits very low background signal.
Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
9 November 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
A. CLASSIFICATION OF SUBJECT MATTER
IPC: C07H 21/04 (2006.01); C12Q 1/68 (2006.01)
USPC: 536/24.3; 435/6
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
U.S.: 536/24.3; 435/6
Documentation searched other than minimum documentation to the extent that such documents are included in other fields searched
Electronic data base consulted during the international search (name of data base and, where practicable, search in this data base)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
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<td>X</td>
<td>WO 03/062445 A2 (BELOUSOV et al.) 31 July 2003 (31.07.2003), entire reference.</td>
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Further documents are listed in the continuation of Box C.

See patent family annex.

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