

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2017/010737

## A. CLASSIFICATION OF SUBJECT MATTER

C12Q 1/68(2006.01); G01N 33/68(2006.01)

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)

C12Q 1/68; C40B 30/00; C07H 21/04; G01N 33/533; C12N 9/12; G01N 33/68

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models: IPC as above

Japanese Utility models and applications for Utility models: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS (KIPO internal) &amp; Keywords: nucleic acid, protein, detection, primer, probe, detection, primer, marker, enzyme, cleavage, hybridization

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HARVEY, J. J. et al., "Characterization and Applications of CataCleave Probe in Real-time Detection Assays", Analytical Biochemistry, 2004, vol. 333, pages 246-255 See abstract; page 249; and figure 1.	1-10
A	KANDIMALLA, E. R. et al., "'Cyclicons' as Hybridization-based Fluorescent Primer-probes: Synthesis, Properties and Application in Real-time PCR", Bioorganic & Medicinal Chemistry, 2000, vol. 8, pages 1911-1916 See the entire document.	1-10
A	US 2011-0294674 A1 (CHEUNG, Win Den et al.) 01 December 2011 See the entire document.	1-10
A	US 5763181 A (HAN, Myun Ki et al.) 09 June 1998 See the entire document.	1-10
A	HARVEY, J. J. et al., "SNP Analysis Using CataCleave Probes", Journal of Clinical Laboratory Analysis, 2008, vol. 22, pages 192-203 See the entire document.	1-10
PX	KR 10-2017-0095752 A (NURIBIO CO., LTD.) 23 August 2017 See abstract, claims 1-17.	1-10



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

31 JANUARY 2018 (31.01.2018)

Date of mailing of the international search report

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.

**PCT/KR2017/010737**

Patent document cited in search report	Publication date	Patent family member	Publication date		
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