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(71) Applicant (for all designated States except US):
**ACADEMISCH MEDISCH CENTRUM BIJ DE UNI-
VERSITEIT VAN AMSTERDAM** [NL/NL];
Meibergdreef 9, NL-1105 AZ Amsterdam (NL).

(72) Inventor; and

(71) Applicant : **WILDE, Arthur, Arnold, Maria** [NL/NL];
Ringdijk 27, NL-3645 HE Vinkeveen (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BEZZINA, Connie**
[MT/NL]; Meerweg 29, NL-2103 VA Heemstede (NL).

(74) Agent: **Jansen, C.,M.**; Vereenigde, Johan de Wittlaan 7,
NL-2517 JR Den Haag (NL).

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(54) Title: DETERMINATION OF GENETIC RISK FOR VENTRICULAR FIBRILLATION

(57) Abstract: The present invention relates generally to the fields of medicine and molecular biology, more specifically to the identification of genetic polymorphisms predisposing to ventricular fibrillation.

INTERNATIONAL SEARCH REPORT

International application No PCT/NL2010/050715
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A. CLASSIFICATION OF SUBJECT MATTER INV. C12Q1/68 ADD.				
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				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, Sequence Search, EMBASE, WPI Data				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	ELMAS ELIF ET AL: "The P-selectin gene polymorphism val168met: A novel risk marker for the occurrence of primary ventricular fibrillation during acute myocardial infarction", JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, vol. 51, no. 10, Suppl. A, March 2008 (2008-03), page A1, XP002563277, & 57TH ANNUAL SCIENTIFIC SESSION OF THE AMERICAN-COLLEGE-OF-CARDIOLOGY; CHICAGO, IL, USA; MARCH 29 -APRIL 01, 2008 ISSN: 0735-1097 abstract <div style="text-align: center; margin-top: 10px;"> ----- -/-- </div>	1-11,13		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.</td> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> See patent family annex.</td> </tr> </table>			<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> 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 document 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. "&" document member of the same patent family			
Date of the actual completion of the international search	Date of mailing of the international search report			
20 January 2011	01/06/2011			
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Dolce, Luca			

INTERNATIONAL SEARCH REPORT

International application No

PCT/NL2010/050715

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2007 014244 A (JAPAN HEALTH SCIENCE FOUND) 25 January 2007 (2007-01-25) claim 1 -----	1-11, 13, 14
X	DATABASE SNP [Online] XP002563263, retrieved from NCBI Database accession no. ss66808656 abstract -----	12
A	WO 2004/081576 A2 (SEQUENOM INC [US]; BRAUN ANDREAS [US]; KAMMERER STEFAN M [US]) 23 September 2004 (2004-09-23) the whole document -----	1-14
A	WO 02/08381 A2 (UNIV UTAH RES FOUND [US]; KEATING MARK T [US]; SPLAWSKI IGOR [US]) 31 January 2002 (2002-01-31) abstract -----	1-14

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NL2010/050715

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-14(partially)

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/NL2010/050715

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
JP 2007014244	A	25-01-2007	NONE	
WO 2004081576	A2	23-09-2004	AU 2004219665 A1	23-09-2004
			CA 2518238 A1	23-09-2004
			EP 1601972 A2	07-12-2005
WO 0208381	A2	31-01-2002	AU 7697601 A	05-02-2002
			CA 2416545 A1	31-01-2002
			EP 1349955 A2	08-10-2003
			JP 2004504054 T	12-02-2004

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14(partially)

Invention 1: methods for determining a genetic predisposition for VF based on SNP rs2824292 and polymorphisms in linkage disequilibrium (LD) therewith; product, uses based on said polymorphism

2. claims: 1-14(partially)

Inventions 2-24: same as above for all the remaining SNP's of claim 1
