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Inventors:
 • **Hakvoort, Vincent**
 c/o N.V. Nederlandsche Apparatenfabriek NEDAP
 7141 DC Groenlo (NL)
 • **Hogen Esch, Johannes Harm Lukas**
 7122 ZN Aalten (NL)

(30)

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Applicant: **N.V. Nederlandsche Apparatenfabriek
 NEDAP**
 7141 DC Groenlo (NL)

(74)

Representative: **Hatzmann, Martin et al
 Vereenigde
 Johan de Wittlaan 7
 2517 JR Den Haag (NL)**

(54)

Transparent election system with double vote rotation

(57) An Internet election system which consists of two independent servers, wherein the number of the chosen candidate is changed into the number of a different candidate with the aid of a double rotation offset. Both servers have a parameter for this rotation offset which is exclusively known to the respective server and the voter. The identity of the voter is known to the first server, which receives the vote, then converts it to the number of a different candidate by means of the first secret parameter and sends on this number together with an anonymous identification number to the second server. This second server converts this number to the number of the candidate which was chosen by the voter with the aid of the second secret parameter. The second server publishes the chosen candidate together with a verification number which is exclusively known to the second server and the voter, who can verify with this that the vote cast counts. With the original or a replacement polling card, the voter can also vote at a polling place, where a vote cast via the Internet is overwritten or revoked. The votes cast at the polling place can be processed in the same manner as the Internet votes, so that they can be verified as well and the outcome can be calculated.

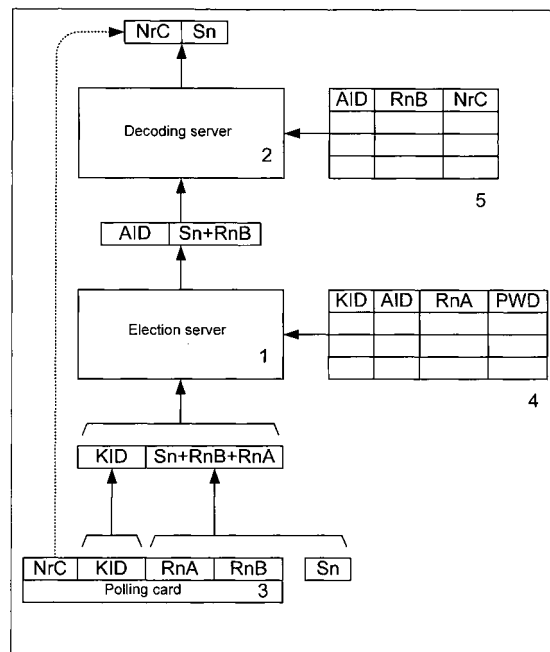


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 08 15 9636

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2001/034640 A1 (CHAUM DAVID [US]) 25 October 2001 (2001-10-25) * page 2, paragraph 54 - page 3, paragraph 59 * * page 17, paragraph 217 - paragraph 218 * * page 18, paragraph 221 * * page 18, paragraph 224 - page 20, paragraph 238 * * page 22, paragraph 256 - page 23, paragraph 270 *	1-17	INV. G07C13/00
A	US 2007/095909 A1 (CHAUM DAVID [US]) 3 May 2007 (2007-05-03) * the whole document *	1-17	
A	WO 03/071491 A (CHAUM DAVID [US]) 28 August 2003 (2003-08-28) * the whole document *	1-17	
			TECHNICAL FIELDS SEARCHED (IPC)
			G07C B42D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		14 September 2009	Van der Haegen, D
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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14-09-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2001034640 A1	25-10-2001	NONE	
US 2007095909 A1	03-05-2007	NONE	
WO 03071491 A	28-08-2003	AU 2003215333 A1	09-09-2003
		US 2003158775 A1	21-08-2003