PROJECT NO. 4

Title: VOICE-BASED AUTHENTICATION OVER A NOISY CHANNEL

Abstract: A remote communication terminal (10) for verified communication. A spoken password is input (30) which is extracted (36) and encoded (38). The result is encrypted (44) for secure transmission (48).
Published:
— with international search report

(88) Date of publication of the international search report:
28 February 2002

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.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(T) . G10L 17/00
US CL. . 704/273, 246.
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. . 704/273, 246; 579/95.05, 88

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 practicable, search terms used)
EAST: password, protocol, encode, encrypt, wireless, cellular.

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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<tbody>
<tr>
<td>Y</td>
<td>US 5,953,700 A (KANEVSKY et al.) 14 September 1999, col. 2, 7.</td>
<td>1-38</td>
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<tr>
<td>Y</td>
<td>US 5,907,597 A (MARK) 25 MAY 1999, figures 1, 4A, 8, columns 4-6., 17, 23.</td>
<td>1-38</td>
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<tr>
<td>Y</td>
<td>US 5,913,196 A (TALMOR et al.) 15 June 1999, fig. 3, 4, columns 2-4.</td>
<td>1-38</td>
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<tr>
<td>Y</td>
<td>US 5,897,616 A (KANEVSKY et al.) 27 April 1999, see entire document.</td>
<td>1-38</td>
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<td>Y, P</td>
<td>US 6,161,090 A (KANEVSKY et al.) 12 December 2000, see entire document.</td>
<td>1-38</td>
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</tbody>
</table>

Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search . 18 SEPTEMBER 2001
Date of mailing of the international search report . 16 NOV 2001

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Form PCT/ISA/210 (second sheet) (July 1998)