

Title (en)

METHOD FOR IDENTIFYING A CALLER WITH A TELEPHONE SERVICE OPERATOR

Title (de)

VERFAHREN ZUR IDENTIFIKATION EINES ANRUFERS GEGENÜBER EINEM TELEFONDIENTSBETREIBER

Title (fr)

PROCEDE D'IDENTIFICATION D'UN APPELANT AUPRES D'UN OPERATEUR DE SERVICE TELEPHONIQUE

Publication

EP 1316197 A2 20030604 (FR)

Application

EP 01960835 A 20010725

Priority

- FR 0102431 W 20010725
- FR 0010494 A 20000809

Abstract (en)

[origin: WO0213498A2] The invention concerns a method for identifying a caller with a telephone service operator. The invention is characterised in that said method consists: for the operator, in making up at least a list of literal expressions and in attributing to the caller an identifier consisting of a combination of literal expressions taken consecutively from each of said lists; for the caller, in connecting himself to said telephone service and in speaking out, in sequence, each literal expression of said combination; for the operator, in identifying the caller by searching through voice recognition the combination of literal expressions attributed to the caller. The invention is useful for making secure access to telephone services. [origin: WO0213498A2] The invention aims at solving the technical problem which consists in providing a method for identifying a caller from a telephone service operator, which would be more ergonomic than the known method, in particular concerning storage of the identifier, while ensuring enhanced security. The technical problem is solved by the method of the invention which consists: for the operator, in establishing at least a list of literal expressions and in attributing to the caller an identifier consisting of a combination of literal expressions taken consecutively from each of said lists; for the caller, in connecting himself to said telephone service and in speaking out, in sequence, each literal expression of said combination; for the operator, in identifying the caller by searching through voice recognition the combination of literal expressions attributed to the caller. The invention is useful for making secure access to telephone services. The inventive identification method is therefore based on voice recognition whereby in existing technologies, in particular, multispeaker flexible voice recognition, it is already possible to recognise a spoken literal expression among several thousands, with the only proviso that it is known in which list is found the expression to be identified. In general, a literal expression will consist of a single word or a meaningful set of words, such as All is well .

IPC 1-7

H04M 3/38

IPC 8 full level

H04M 3/38 (2006.01); **H04M 3/42** (2006.01); **H04M 3/493** (2006.01); **H04M 17/00** (2006.01)

CPC (source: EP US)

H04M 3/382 (2013.01 - EP US); **H04M 2201/40** (2013.01 - EP US)

Citation (search report)

See references of WO 0213498A2

Citation (examination)

- BIRNBAUM MARTHA: "A VOICE PASSWORD SYSTEM FOR ACCESS SECURITY", AT & T TECHNICAL JOURNAL, AMERICAN TELEPHONE AND TELEGRAPH CO. NEW YORK, US, vol. 65, no. 5, 1 September 1986 (1986-09-01), pages 68 - 74, XP002037311, ISSN: 8756-2324
- ZVIRAN M ET AL: "A COMPARISON OF PASSWORD TECHNIQUES FOR MULTILEVEL AUTHENTICATION MECHANISMS", COMPUTER JOURNAL, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 36, no. 3, 1 January 1993 (1993-01-01), pages 227 - 237, XP000363041, ISSN: 0010-4620, DOI: DOI:10.1093/COMJNL/36.3.227
- QI LI ET AL: "Automatic Verbal Information Verification for User Authentication", IEEE TRANSACTIONS ON SPEECH AND AUDIO PROCESSING, IEEE SERVICE CENTER, NEW YORK, NY, US, vol. 8, no. 5, 1 September 2000 (2000-09-01), XP011054041, ISSN: 1063-6676
- WIKIPEDIA: "Passphrase", 17 March 2011 (2011-03-17), Retrieved from the Internet <URL:http://en.wikipedia.org/wiki/Passphrase> [retrieved on 20110317]
- WILLIAMS, RANDALL T.: "The passphrase FAQ, version 1.04", 13 January 1997 (1997-01-13), Retrieved from the Internet <URL:http://www.linuxsecurity.com/resource_files/cryptography/passphrase-faq.html> [retrieved on 20110317]
- JOHANSSON, JESPER M.: "The Great Debates: Pass Phrases vs. Passwords. Part 2 of 3", 1 November 2004 (2004-11-01), Retrieved from the Internet <URL:http://technet.microsoft.com/en-us/library/cc512609.aspx> [retrieved on 20110317]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0213498 A2 20020214; **WO 0213498 A3 20030410**; AU 8223301 A 20020218; EP 1316197 A2 20030604; FR 2812998 A1 20020215; FR 2812998 B1 20040604; JP 2004514308 A 20040513; PL 366091 A1 20050124; US 2004022374 A1 20040205; US 6973168 B2 20051206

DOCDB simple family (application)

FR 0102431 W 20010725; AU 8223301 A 20010725; EP 01960835 A 20010725; FR 0010494 A 20000809; JP 2002518725 A 20010725; PL 36609101 A 20010725; US 34431203 A 20030724