

Title (en)
CRYPTOGRAPHIC SYSTEM FOR GROUP SIGNATURE

Title (de)
KRYPTOGRAPHISCHES SYSTEM FÜR EINE GRUPPENSIGNATUR

Title (fr)
SYSTEME CRYPTOGRAPHIQUE DE SIGNATURE DE GROUPE

Publication
EP 1459479 A2 20040922 (FR)

Application
EP 02805804 A 20021220

Priority
• FR 0204502 W 20021220
• FR 0116950 A 20011227

Abstract (en)
[origin: WO03056750A2] The invention concerns a system enabling a member (M) of a group (G) to produce, by means of customized data (z; K), a message (m) accompanied by a signature (8) proving to a verifier that the message originates from a member of the group (G). The invention is characterized in that the customized data is in the form of an electronic physical medium (26). Advantageously, the latter also incorporates: encrypting means (B3) for producing a customized cipher (C) from the customized data prior to the signature S of the message (m), means (B5) for producing a combination of a message m to be signed and the cipher (C) associated with said message, for example in the form of a concatenation of the message (m) with the cipher (C), and means (B6) for signing (Sig) the message (m) with the customized data (z; K) in the form of a cipher (C) associated with said message. Advantageously, the physical medium is a smart card (26) or the like.

IPC 1-7
H04L 9/32

IPC 8 full level
H04L 9/08 (2006.01); **H04L 9/10** (2006.01); **H04L 9/32** (2006.01)

CPC (source: EP US)
H04L 9/3255 (2013.01 - EP US)

Citation (search report)
See references of WO 03056750A2

Citation (examination)
JP 2000124887 A 20000428 - FUJI XEROX CO LTD & US 6986044 B1 20060110 - INADA RYU [JP]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03056750 A2 20030710; WO 03056750 A3 20040226; AU 2002364678 A1 20030715; EP 1459479 A2 20040922; FR 2834403 A1 20030704; FR 2834403 B1 20040206; JP 2005513956 A 20050512; JP 4116971 B2 20080709; US 2005081038 A1 20050414; US 7673144 B2 20100302

DOCDB simple family (application)
FR 0204502 W 20021220; AU 2002364678 A 20021220; EP 02805804 A 20021220; FR 0116950 A 20011227; JP 2003557142 A 20021220; US 50031104 A 20040628