

Title (en)
METHOD FOR SECURELY INTERACTING WITH A SECURITY ELEMENT

Title (de)
VERFAHREN ZUR SICHEREN INTERAKTION MIT EINEM SICHERHEITSELEMENT

Title (fr)
PROCÉDÉ D'INTERACTION SÛRE AVEC UN ÉLÉMENT DE SÉCURITÉ

Publication
EP 2499597 A1 20120919 (DE)

Application
EP 10774138 A 20101026

Priority
• DE 102009052389 A 20091109
• EP 2010006536 W 20101026

Abstract (en)
[origin: CA2779654A1] In a method for securely interacting with a security module (200), which is integrated in a terminal (100), via an input device (180) of the terminal (100), the input device (180) is reserved by a security application (180) which can be executed in a trusted area (130) of the terminal (100). First authentication data (PIN 1) are then input via the reserved input device (180). The security application (150) derives second authentication data (PIN 2) from the first authentication data (PIN 1) by means of secret data (144) stored in the trusted area (130). Said second authentication data (PIN 2) are then encrypted by the security application (150) and are transmitted to the security module (200) and/or to a server. The received, encrypted second authentication data (PIN 3) are finally decrypted in the security module (200) and/or the server.

IPC 8 full level
G06F 21/34 (2013.01); **G06F 21/41** (2013.01); **G06F 21/46** (2013.01)

CPC (source: EP US)
G06F 21/34 (2013.01 - EP US); **G06F 21/41** (2013.01 - EP US); **G06F 21/46** (2013.01 - EP US); **H04L 9/3226** (2013.01 - EP US); **H04W 12/06** (2013.01 - EP US); **H04L 2209/56** (2013.01 - EP US); **H04L 2209/80** (2013.01 - EP US)

Citation (search report)
See references of WO 2011054462A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102009052389 A1 20110512; AU 2010314480 A1 20120614; AU 2010314480 B2 20140123; BR 112012010553 A2 20160322; CA 2779654 A1 20110512; CN 102667800 A 20120912; EP 2499597 A1 20120919; US 2012233456 A1 20120913; WO 2011054462 A1 20110512

DOCDB simple family (application)
DE 102009052389 A 20091109; AU 2010314480 A 20101026; BR 112012010553 A 20101026; CA 2779654 A 20101026; CN 201080052687 A 20101026; EP 10774138 A 20101026; EP 2010006536 W 20101026; US 201013508673 A 20101026