

Title (en)

METHOD FOR MANUFACTURING AN ELECTRONIC KEY WITH USB CONNECTOR AND ELECTRONIC KEY OBTAINED

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ELEKTRONISCHEN SCHLÜSSELS MIT USB-VERBINDER UND ERHALTENER ELEKTRONISCHER SCHLÜSSEL

Title (fr)

PROCEDE DE FABRICATION D' UNE CLE ELECTRONIQUE A CONNECTEUR USB ET CLE ELECTRONIQUE OBTENUE

Publication

**EP 1709574 A1 20061011 (FR)**

Application

**EP 04791135 A 20041004**

Priority

- EP 2004052423 W 20041004
- FR 0312584 A 20031028

Abstract (en)

[origin: FR2861483A1] The method involves cutting an integrated circuit from a tape carrying multiple integrated circuits. Each circuit defines contact pads of universal serial bus (USB) format connected to electronic components. Thickness of circuit is adjusted in one step to the level of the pads to give a thickness conforming to USB standard. The adjustment is made using an envelope comprising a lower half-shell (66) under the pads. The lower shell is embedded in an upper half-shell (67) covering a zone except the pads. An independent claim is also included for an electronic universal serial bus key.

IPC 8 full level

**G06K 19/04** (2006.01); **G06K 19/077** (2006.01)

CPC (source: EP US)

**G06K 19/04** (2013.01 - EP US); **G06K 19/077** (2013.01 - EP US); **G06K 19/07718** (2013.01 - EP US); **G06K 19/07733** (2013.01 - EP US); **G06K 19/07745** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US); **Y10T 29/49124** (2015.01 - EP US); **Y10T 29/49169** (2015.01 - EP US); **Y10T 29/49204** (2015.01 - EP US); **Y10T 29/4921** (2015.01 - EP US)

Citation (search report)

See references of WO 2005041120A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2861483 A1 20050429**; **FR 2861483 B1 20060127**; CN 1902642 A 20070124; CN 1902642 B 20120530; EP 1709574 A1 20061011; JP 2007538298 A 20071227; US 2008092381 A1 20080424; US 8555496 B2 20131015; WO 2005041120 A1 20050506

DOCDB simple family (application)

**FR 0312584 A 20031028**; CN 200480039212 A 20041004; EP 04791135 A 20041004; EP 2004052423 W 20041004; JP 2006537275 A 20041004; US 57755404 A 20041004