

Title (en)  
SECURITY DOCUMENT COMPRISING AN OSCILLATING CIRCUIT

Title (de)  
SICHERHEITSDOKUMENT MIT SCHWINGKREIS

Title (fr)  
DOCUMENT DE SECURITE A CIRCUIT OSCILLANT

Publication  
**EP 1504410 A1 20050209 (DE)**

Application  
**EP 03749960 A 20030324**

Priority  

- EP 03749960 A 20030324
- EP 02010143 A 20020513
- IB 0301214 W 20030324

Abstract (en)  
[origin: EP1363233A1] Security document, especially a banknote, comprises a support (1) on which an oscillation circuit (5) is mounted. The oscillation circuit comprises a capacitor (C) that has two electrodes (7a) formed from at least two conducting layers, whereby the electrodes are separated by an insulating layer. The invention also relates to a corresponding set of banknotes, whereby different value notes have different resonant frequencies and a method for coding information in which the information is coded as a resonant frequency or resonant frequencies.

IPC 1-7  
**G06K 19/067**

IPC 8 full level  
**B42D 15/10** (2006.01); **G06K 19/067** (2006.01); **G06K 19/07** (2006.01); **G06K 19/077** (2006.01)

CPC (source: EP KR US)  
**G06K 19/025** (2013.01 - EP US); **G06K 19/067** (2013.01 - KR); **G06K 19/0672** (2013.01 - EP US); **G06K 19/073** (2013.01 - KR)

Citation (search report)  
See references of WO 03096268A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1363233 A1 20031119**; AU 2003215834 A1 20031111; BR PI0309970 A2 20161011; CA 2487780 A1 20031120; CN 1666224 A 20050907; EP 1504410 A1 20050209; JP 2005525255 A 20050825; KR 20050012243 A 20050131; PL 373560 A1 20050905; RU 2004136318 A 20051010; RU 2315355 C2 20080120; US 2005225077 A1 20051013; WO 03096268 A1 20031120

DOCDB simple family (application)  
**EP 02010143 A 20020513**; AU 2003215834 A 20030324; BR 0309970 A 20030324; CA 2487780 A 20030324; CN 03815637 A 20030324; EP 03749960 A 20030324; IB 0301214 W 20030324; JP 2004504181 A 20030324; KR 20047018269 A 20030324; PL 37356003 A 20030324; RU 2004136318 A 20030324; US 51436205 A 20050425