

Title (en)  
HEAT-SENSITIVE RECORDING SHEET WITH A SECURITY ELEMENT IN THE FORM OF PRESSURE-SENSITIVE MICROCAPSULES

Title (de)  
WÄRMEEMPFINDLICHER AUFZEICHNUNGSBOGEN MIT DRUCKEMPFINDLICHEN MIKROKAPSELN ALS SICHERHEITSELEMENT

Title (fr)  
FEUILLE D'IMPRESSION THERMOSENSIBLE COMPORTANT DES MICROCAPSULES SENSIBLES A LA PRESSION UTILISEES COMME ELEMENT DE SECURITE

Publication  
**EP 1028853 A1 20000823 (DE)**

Application  
**EP 99944458 A 19990820**

Priority  
• DE 19838893 A 19980827  
• EP 9906122 W 19990820

Abstract (en)  
[origin: US6440898B1] A heat-sensitive recording sheet having a substrate with a heat-sensitive recording layer which contains color formers and color acceptors which react with one another under the action of heat. In order to permit the detection of counterfeited documents without the additional use of aids such as UV lamps or chemicals, present in the heat-sensitive recording layer, as a security element, are pressure-sensitive microcapsules which contain one or more color formers in a solvent. The color formers react with the color acceptors, forming a color, after destruction of the microcapsules.

IPC 1-7  
**B41M 5/30; B41M 3/14; B41M 5/124**

IPC 8 full level  
**B41M 5/28** (2006.01); **B41M 3/14** (2006.01); **B41M 5/124** (2006.01); **B41M 5/165** (2006.01); **B41M 5/30** (2006.01)

CPC (source: EP US)  
**B41M 3/142** (2013.01 - EP US); **B41M 5/30** (2013.01 - EP US); **B41M 5/124** (2013.01 - EP US); **B41M 5/165** (2013.01 - EP US)

Citation (search report)  
See references of WO 0012321A1

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

DOCDB simple family (publication)  
**US 6440898 B1 20020827**; AT E209109 T1 20011215; DE 19838893 A1 20000309; DE 19838893 C2 20000928; DE 59900676 D1 20020221; EP 1028853 A1 20000823; EP 1028853 B1 20011121; ES 2165240 T3 20020301; JP 2002523268 A 20020730; WO 0012321 A1 20000309

DOCDB simple family (application)  
**US 53029700 A 20000427**; AT 99944458 T 19990820; DE 19838893 A 19980827; DE 59900676 T 19990820; EP 9906122 W 19990820; EP 99944458 A 19990820; ES 99944458 T 19990820; JP 2000567396 A 19990820