Title (en)
MULTI-COLORED SYMBOLOGY METHOD AND APPARATUS

Title (de)
VORRICHTUNG UND VERFAHREN FÜR VIELFARBENSYMBOLE

Title (fr)
PROCEDE ET APPAREIL POUR SYMBOLOGIE MULTICOLORE

Publication
EP 0916123 A2 19990519 (EN)

Application
EP 98920255 A 19980504

Priority
- US 9809161 W 19980504
- US 85097397 A 19970505

Abstract (en)
[origin: WO9850882A2] Multiple colors are used in connection with one or more encoded symbols to increase the information density of the encoded symbols. The multiple colors can be used to form linearly independent encoded symbols that are overlayed on top of each other to form a composite encoded symbol. The linearly independent encoded symbols may be used to designate different types of information, or can designate separate levels of information in which certain levels can have restricted access. Alternatively, the multiple colors can be used to form a single linearly dependent encoded symbol in which the selected combination of colors defines data states of corresponding elements of a one or two dimensional matrix. Registration marks are used to insure proper print registration of the differently colored elements to insure linear dependency. In either embodiment, the colors can be distinguished using electro-optical imaging techniques.

IPC 1-7
G06K 19/06

IPC 8 full level
G06K 1/12 (2006.01); **G06K 7/12** (2006.01); **G06K 19/06** (2006.01); **G06K 19/18** (2006.01)

CPC (source: EP)
G06K 1/121 (2013.01); **G06K 19/06028** (2013.01); **G06K 19/06037** (2013.01); **G06K 19/06056** (2013.01); **G06K 19/18** (2013.01); G06K 2019/06225 (2013.01)

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
WO 9850882 A2 19981112; **WO 9850882 A3 19990401**; EP 0916123 A2 19990519; EP 0916123 A3 20020828; JP 2001516480 A 20010925

DOCDB simple family (application)
US 9809161 W 19980504; EP 98920255 A 19980504; JP 54840098 A 19980504