

Title (en)
MACHINE-READABLE LABEL

Title (de)
MASCHINENLESBARE ETIKETTE

Title (fr)
ETIQUETTE LISIBLE PAR MACHINE

Publication
EP 0817727 A1 19980114 (EN)

Application
EP 96907801 A 19960318

Priority
• NZ 9600021 W 19960318
• NZ 27085695 A 19950331

Abstract (en)
[origin: WO9630217A1] A label (100) for identification purposes, has a compact matrix of machine-readable cells (101-109) holding information and including the BCH error-correcting code. The cells may be binary, ternary (grey levels) or have more levels and may use colours. These labels are both easily detectable and accurately readable, because a plurality may occur within a single complex image captured outdoors, where adverse lighting and contaminants may detract from ideal conditions. Accordingly some (usually 4) characteristic cells (101, 102, 103, 104) per label are reserved for use as locators which, when found, indicate position, orientation and values on the scale of grey levels used in the symbol. A grey or white label perimeter may be used to determine intra-label lighting variations, as described in relation to the disclosed reading steps. One or more portable digital camera captures images and relays them to an analysis and decoding machine.

IPC 1-7
B42D 15/10; **G06K 9/82**; **G09F 3/02**

IPC 8 full level
G06K 7/015 (2006.01); **G06K 19/06** (2006.01); **G09F 3/00** (2006.01); **G09F 3/02** (2006.01)

CPC (source: EP KR)
B42D 25/22 (2014.10 - KR); **G06K 19/06037** (2013.01 - EP); **G06K 19/06075** (2013.01 - EP); **G06V 10/88** (2022.01 - KR); **G09F 3/02** (2013.01 - KR); **G09F 3/0297** (2013.01 - EP); **G06K 2019/06225** (2013.01 - EP)

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

DOCDB simple family (publication)
WO 9630217 A1 19961003; AU 5127196 A 19961016; BR 9607985 A 19980623; CA 2215026 A1 19961003; EP 0817727 A1 19980114; FI 973635 A0 19970909; FI 973635 A 19971003; HU P9801931 A2 19981130; HU P9801931 A3 19990428; JP H11502654 A 19990302; KR 19980703503 A 19981105; NO 974285 D0 19970916; NO 974285 L 19971003; TW 318916 B 19971101; ZA 962295 B 19960930

DOCDB simple family (application)
NZ 9600021 W 19960318; AU 5127196 A 19960318; BR 9607985 A 19960318; CA 2215026 A 19960318; EP 96907801 A 19960318; FI 973635 A 19970909; HU P9801931 A 19960318; JP 52922996 A 19960318; KR 19970706907 A 19970930; NO 974285 A 19970916; TW 85103344 A 19960320; ZA 962295 A 19960322