

Title (en)

Data carrier with an optically variable element

Title (de)

Datenträger mit einem optisch variablen Element

Title (fr)

Support de données avec élément optiquement variable

Publication

EP 1325816 B1 20110622 (DE)

Application

EP 03008023 A 19961102

Priority

- DE 19541064 A 19951103
- EP 96938044 A 19961102

Abstract (en)

[origin: EP1325816A2] The optically variable element (2) is integrated with the carrier (1), in this case a banknote, so that an optical effect is visible when either side of the banknote is viewed. The element is an embossed line or lines, a dash, points, curved or straight black lines (3). The element has raised sections (4) and hollow sections (5) in two different colours (6,7). On the back of the document, in the region of the element, an underlying stratum (8) is pressed, in one or more colours in this area. The colour printed area (6) is visible from angle alpha and the other colour (7) from the angle alpha'.

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

US 5722693 A 19980303 - WICKER KENNETH M [US]

Cited by

WO2014089710A1; EP3326833A1; CN104968505A; AU2012396775B2; RU2622834C2; US10315455B2

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US 6036233 A 20000314; AT E250508 T1 20031015; AT E513694 T1 20110715; AU 7562096 A 19970529; BG 101719 A 19980331; BG 108790 A 20050131; BG 64379 B1 20041230; BG 65294 B1 20071228; CA 2209285 A1 19970515; CA 2209285 C 20060815; CA 2490834 A1 19970515; CA 2490834 C 20060711; DE 19541064 A1 19970507; DE 19680958 D2 19991202; DE 29623753 U1 19990902; DE 59610736 D1 20031030; DK 0801604 T3 20040202; DK 0801604 T4 20100607; EP 0801604 A1 19971022; EP 0801604 B1 20030924; EP 0801604 B2 20100217; EP 1325816 A2 20030709; EP 1325816 A3 20030910; EP 1325816 B1 20110622; ES 2205064 T3 20040501; ES 2205064 T5 20100430; JP 4596570 B2 20101208; JP H11501590 A 19990209; PL 188480 B1 20050228; PL 321140 A1 19971124; PT 801604 E 20040227; RU 2161092 C2 20001227; US 6283509 B1 20010904; WO 9717211 A1 19970515

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