

Title (en)
Apparatus and method for examining value documents

Title (de)
Vorrichtung und Verfahren zur Prüfung von Wertdokumenten

Title (fr)
Dispositif et procédé de vérification de documents de valeur

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Application
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Abstract (en)
[origin: US2008135780A1] The invention relates to a method and apparatus (1) for checking luminescent value documents (BN), in particular bank notes, with a luminescence sensor (12), wherein the value document to be checked is irradiated to excite luminescence radiation and the luminescence radiation emanating from the value document is detected with spectral resolution. Since the value document (BN) to be checked transported past the luminescence sensor (12) in the transport direction (T) is illuminated with an illumination area (35) which extends in the transport direction (T), an effective measurement is possible even of value documents that emit very little luminescence radiation.

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Citation (search report)
• [XD] DE 10127837 A1 20030123 - GIESECKE & DEVRIENT GMBH [DE]
• [X] EP 1158459 A1 20011128 - SICPA HOLDING SA [CH]
• [X] US 6061121 A 20000509 - HOLL NORBERT [DE], et al
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US 2008135780 A1 20080612; US 7737417 B2 20100615; AU 2005266522 A1 20060202; AU 2005266522 B2 20110120; AU 2011201132 A1 20110407; AU 2011201132 B2 20120308; CN 102169607 A 20110831; CN 102169607 B 20130918; CN 1989528 A 20070627; CN 1989528 B 20110330; DE 102004035494 A1 20060209; EP 1784795 A1 20070516; EP 2275998 A2 20110119; EP 2275998 A3 20120125; EP 2275998 B1 20160907; EP 2278556 A2 20110126; EP 2278556 A3 20120125; EP 2278557 A2 20110126; EP 2278557 A3 20120125; EP 2278558 A2 20110126; EP 2278558 A3 20120125; EP 2278558 B1 20220615; EP 2282298 A2 20110209; EP 2282298 A3 20120125; ES 2598357 T3 20170127; ES 2923700 T3 20220929; IL 180847 A0 20070603; IL 180847 A 20120430; JP 2008507052 A 20080306; JP 4919355 B2 20120418; KR 101224255 B1 20130118; KR 101277932 B1 20130627; KR 101277935 B1 20130627; KR 101277985 B1 20130627; KR 20070039953 A 20070413; KR 20120003026 A 20120109; KR 20120003979 A 20120111; KR 20120003980 A 20120111; RU 2007106554 A 20080827; RU 2009129195 A 20110210; RU 2375751 C2 20091210; RU 2428742 C2 20110910; RU 2451339 C1 20120520; RU 2491641 C1 20130827; WO 2006010537 A1 20060202

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US 65800505 A 20050719; AU 2005266522 A 20050719; AU 2011201132 A 20110315; CN 200580024626 A 20050719; CN 201110023601 A 20050719; DE 102004035494 A 20040722; EP 05770995 A 20050719; EP 10011625 A 20050719; EP 10011626 A 20050719; EP 10011627 A 20050719; EP 10011628 A 20050719; EP 10011629 A 20050719; EP 2005007872 W 20050719; ES 10011627 T 20050719; ES 10011629 T 20050719; IL 18084707 A 20070121; JP 2007521891 A 20050719; KR 20077003654 A 20050719; KR 20117030775 A 20050719; KR 20117030776 A 20050719; KR 20117030777 A 20050719; RU 2007106554 A 20050719; RU 2009129195 A 20090729; RU 2011118715 A 20110511; RU 2012104338 A 20120208