

5 Documents

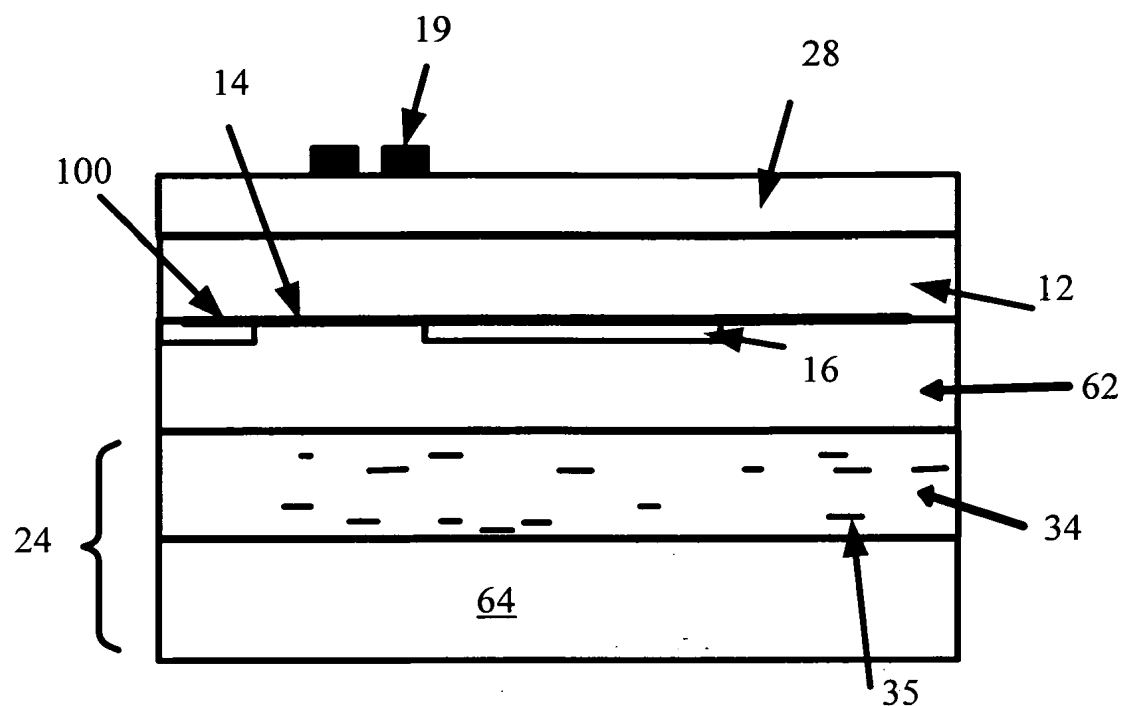
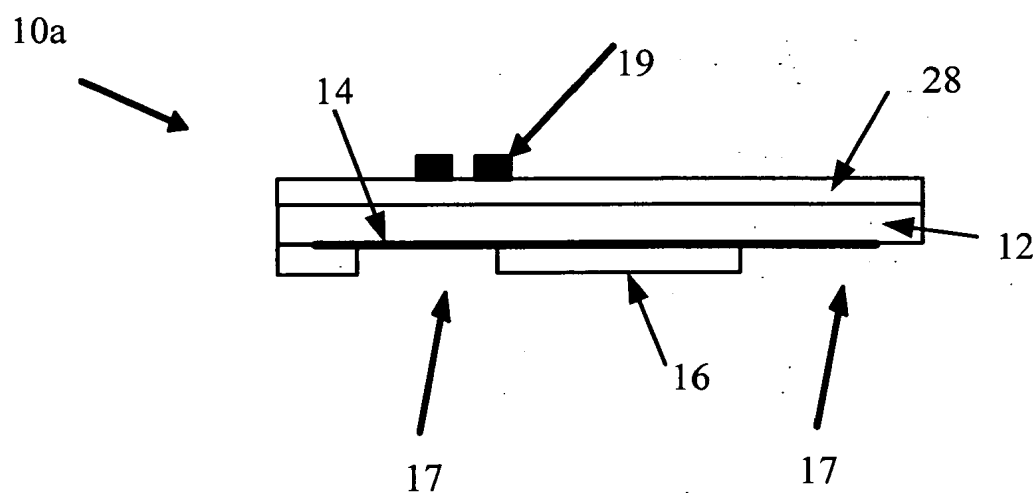
Publication numbers	Title	Current assignees
CA2587039 A1	A security device formed by a hologram and a color shifting ink	JDS UNIPHASE
US20050087087 A1	Identification devices and methods for producing the identification devices	JPATTON SPORTS MARKETING
WO200425378 A2	Holographic optically variable printing material and method for customized printing	ITW - ILLINOIS TOOL WORKS
US20040151827 A1	Non-toxic flakes for authentication of pharmaceutical articles	JDS UNIPHASE
WO200217020 A1	Method for producing organically developable, photopolymerizable flexographic printing elements on flexible metallic supports	XSYS PRINT SOLUTIONS DEUTSCHLAND

Family 1/5 - FAMPAT - ©Questel

Title

(EP1854642)

A security device formed by a hologram and a color shifting ink

Images**Fig. 1****Fig. 2**

Publication data including kind & date

CA2587039

A1 2007-11-12

CA2587039



CN101070040	A	2007-11-14	CN101070040				
EP1854642	A2	2007-11-14	EP1854642				
KR20070110201	A	2007-11-16	KR20070110201				
JP2007304601	A	2007-11-22	JP2007304601				
IN0936/DEL/2007	A	2007-11-23	IN2007DE00936				
AU2007201905	A1	2007-11-29	AU2007201905				
TW200805011	A	2008-01-16	TW200805011				
AU2007201905	B2	2010-04-29	AU2007201905				
EP1854642	A3	2013-01-23	EP1854642				
CA2587039	C	2014-08-26	CA2587039				
EP1854642	B1	2015-05-27	EP1854642				
KR101536335	B1	2015-07-13	KR101536335				
TWI509374	B	2015-11-21	TWI509374				
IN275576	B	2016-09-16	IN-275576				

Abstract

(EP1854642)

A method of forming a label on an object (24) is provided, comprising the steps of coating a surface of the object (64) with optically variable ink, and bonding a patterned structure to the object (24) with a light transmissive adhesive over the optically variable ink. The patterned structure allows light to propagate therethrough, and may be a diffractive structure comprising one of: a semi transparent reflective layer, a high refraction index layer, and a patterned reflective coating. In one embodiment a hologram is hot stamped to a banknote or paper document printed with a color-shifting ink.

Inventors

PHILLIPS ROGER W

TAGUER ELENA

Latest standardized assignees - inventors removed

JDS UNIPHASE

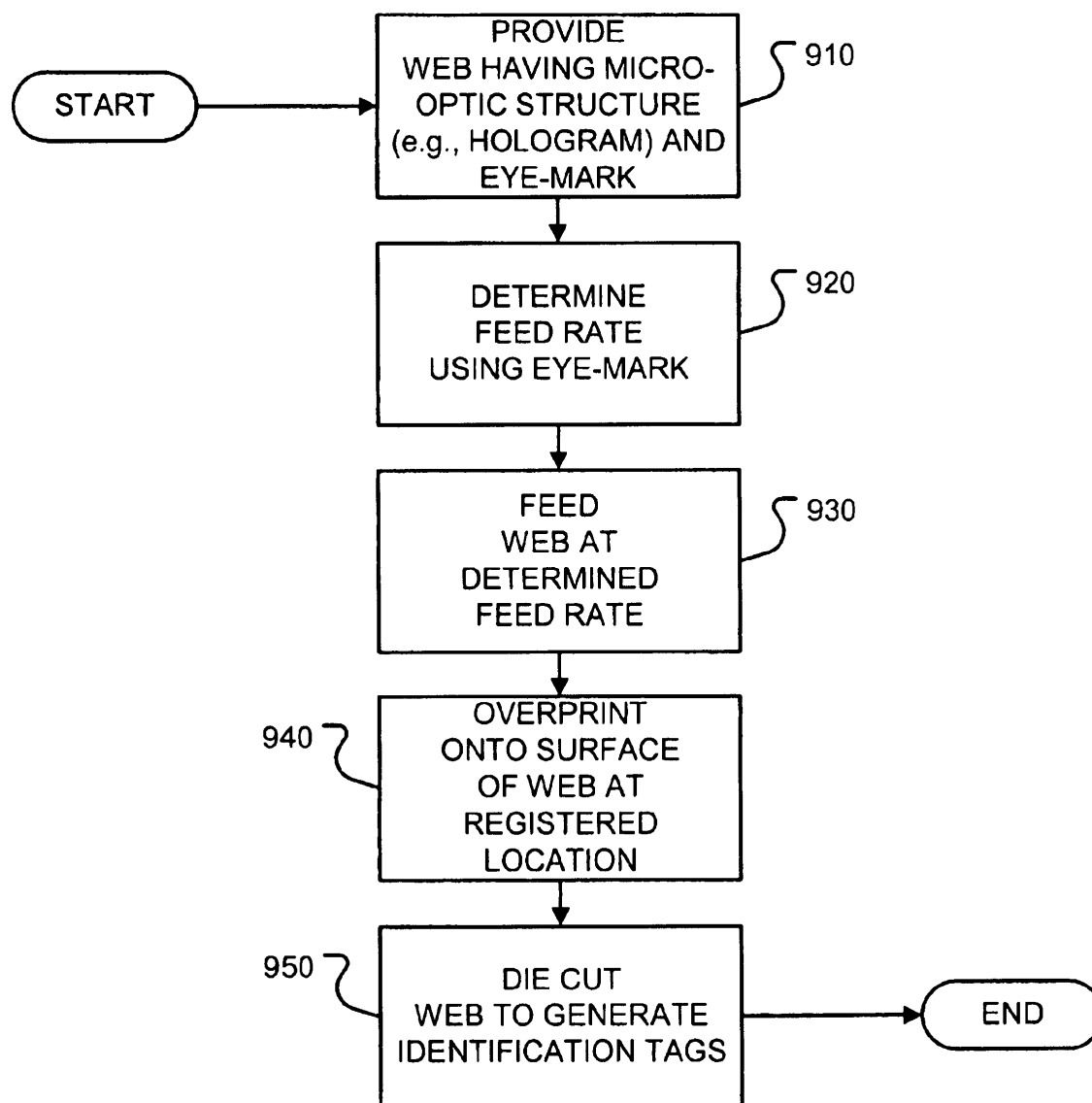
Family 2/5 - FAMPAT - ©Questel

Title

(US7036431)

Identification devices and methods for producing the identification devices

Images

**Publication data including kind & date**

US20050087087	A1	2005-04-28	US20050087087
US6952994	B2	2005-10-11	US6952994
US20050279237	A1	2005-12-22	US20050279237
US7036431	B2	2006-05-02	US7036431

**Abstract**

(US7036431)

Identification devices and methods of producing the identification devices are presented. Some embodiments of identification devices comprise a structure having a micro-optic image and a layer that is overprinted onto the surface of the structure. In some embodiments, the structure is a substantially planar structure, such as a cardstock sheet, and the micro-optic image is a hologram. A web-fed flexographic printing process is presented, in which the process comprises the steps of providing a web, determining a feed rate for the web, feeding the web at the determined feed rate, and overprinting onto a surface of the web. In some embodiments, the web has a micro-optic structure and an eye-mark. The micro-optic structure is located at a predefined position on the web, and the eye-mark is located at a fixed position with reference to the position of the micro-optic structure. The feed rate is determined using the eye-mark. In some embodiments, the micro-optic structure is a hologram.

Inventors

DUNN MATT
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Latest standardized assignees - inventors removed

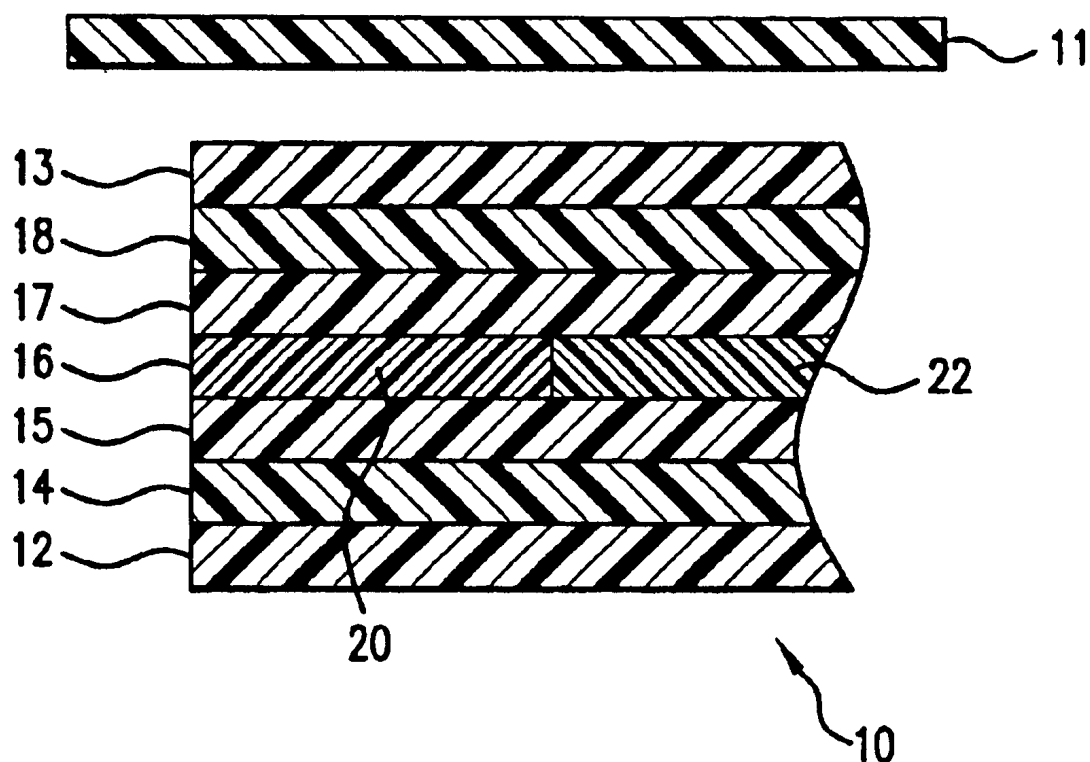
JPATTON SPORTS MARKETING

Family 3/5 - FAMPAT - ©Questel

Title

(EP1576425)

Holographic optically variable printing material and method for customized printing

Images**Publication data including kind & date**

WO2004025378	A2	2004-03-25	WO200425378
AU2003267108	A1	2004-04-30	AU2003267108
AU2003267108	A8	2004-04-30	AU2003267108
US20040101982	A1	2004-05-27	US20040101982
US6835948	B2	2004-12-28	US6835948
KR20050039874	A	2005-04-29	KR20050039874
WO2004025378	A3	2005-08-11	WO200425378
EP1576425	A2	2005-09-21	EP1576425
EP1576425	A3	2005-09-28	EP1576425
JP2005538423	A	2005-12-15	JP2005538423
CN1735843	A	2006-02-15	CN1735843
CN100470406	C	2009-03-18	CN100470406C
JP2010277100	A	2010-12-09	JP2010277100
KR101005445	B1	2011-01-05	KR101005445
EP1576425	B1	2015-07-01	EP1576425

**Abstract**

(EP1576425)

A transfer recording material (10) allowing the production of customized holographic images is described. The transfer

recording material comprises a multilayer structure on a carrier forming a plurality of panels (20, 22). A portion of the multilayer structure corresponding to a panel (20) comprises an embossable layer (holographic layer) wherein each pixel (1,2,...,n) is configured to reflect incoming light at a predetermined angle α_1 . Each pixel (1'2',...m') corresponding to the embossable layer of an adjacent panel is configured to reflect incoming light at a different predetermined angle α_2 . The transfer recording material can have as many panels as desired by a particular application, each of the layers having an embossable layer with pixels configured to reflect incoming light at a certain angle α_n . The transfer material is therefore formed by a plurality of spaced-apart panels each of which comprises an embossable holographic layer reflecting light at a predetermined angle different from that of other panels. Upon activation of a surface of a printer head, pixels from different panels transfer onto a substrate, forming a desired customized holographic design.

Inventors

WOONTNER MARC O

Latest standardized assignees - inventors removed

ITW - ILLINOIS TOOL WORKS

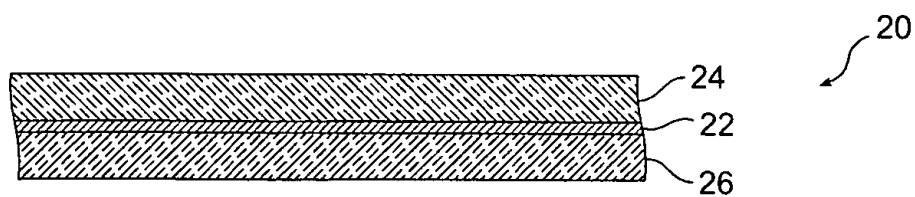
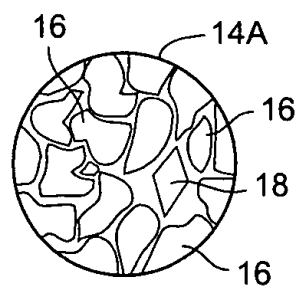
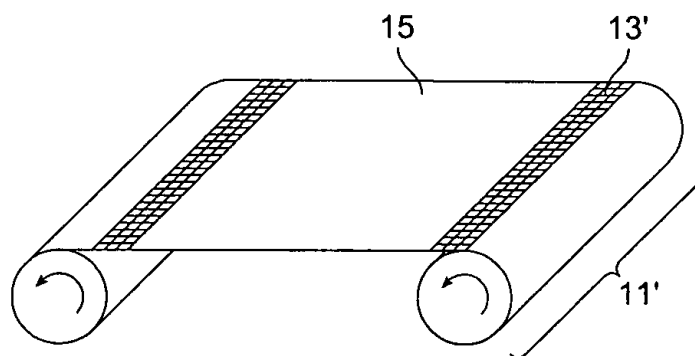
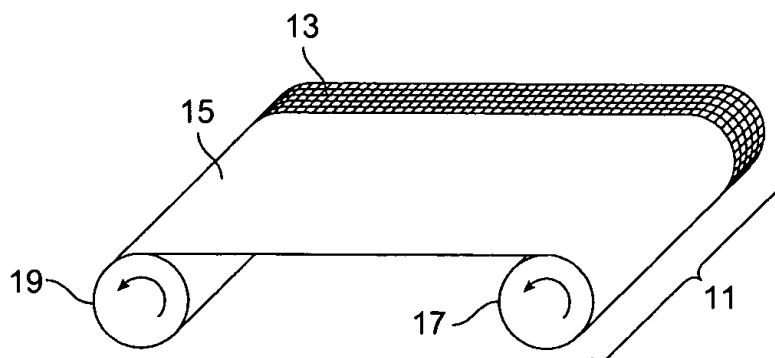
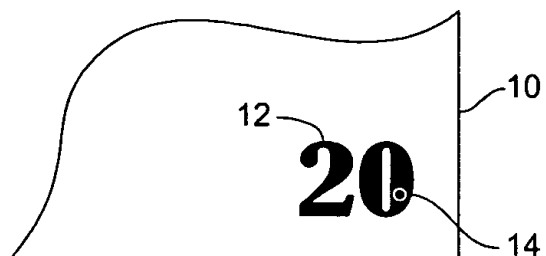
Family 4/5 - FAMPAT - ©Questel

Title

(US7550197)

Non-toxic flakes for authentication of pharmaceutical articles

Images



Publication data including kind & date

US20040151827	A1	2004-08-05	US20040151827				
US20050037192	A1	2005-02-17	US20050037192				
US7241489	B2	2007-07-10	US7241489				
US7258915	B2	2007-08-21	US7258915				
US20080019924	A1	2008-01-24	US20080019924				
US7550197	B2	2009-06-23	US7550197				

Abstract

(US7550197)

In one embodiment of the present invention, non-toxic inorganic flakes are used for identification and anticounterfeit protection of pharmaceutical articles, such as pills, tablets and capsules, having a core of a biologically active material and/or a biologically inert material. Non-toxic inorganic authentication flakes, either optically variable flakes or taggant flakes having one or more symbols and/or a selected shape are disposed on the surface or inside of the pharmaceutical article.

Inventors

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Latest standardized assignees - inventors removed

JDS UNIPHASE

Family 5/5 - FAMPAT - ©Questel

Title

(EP1311909)

Method for producing organically developable, photopolymerizable flexographic printing elements on flexible metallic supports

Publication data including kind & date

WO200217020	A1	2002-02-28	WO200217020			
DE10040929	A1	2002-02-28	DE10040929			
AU8980401	A	2002-03-04	AU200189804			
EP1311909	A1	2003-05-21	EP1311909			
US20030178130	A1	2003-09-25	US20030178130			
JP2004507778	A	2004-03-11	JP2004507778			
US7033724	B2	2006-04-25	US7033724			
US20060118231	A1	2006-06-08	US20060118231			
EP1311909	B1	2010-10-20	EP1311909			
DE50115668	D1	2010-12-02	DE50115668			
JP4799802	B2	2011-10-26	JP4799802			
US8545661	B2	2013-10-01	US8545661			

Abstract

(EP1311909)

The invention relates to a method for producing organically developable, photopolymerizable flexographic printing elements on flexible metallic supports by: coating a flexible metallic support with a tack-free adhesive lacquer, which is resistant to swelling and which is insoluble in printing inks and in organic developers; applying an elastomeric photopolymerizable layer to a covering film, and; laminating the photopolymerizable layer onto the metallic support coated with the adhesive lacquer. The invention also relates to a photopolymerizable flexographic printing element comprised of a photopolymerizable layer that is applied to a flexible metallic support by means of a tack-free adhesive layer, which is resistant to swelling and which is insoluble in printing inks and in organic developers.

Inventors

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Latest standardized assignees - inventors removed

XSYS PRINT SOLUTIONS DEUTSCHLAND