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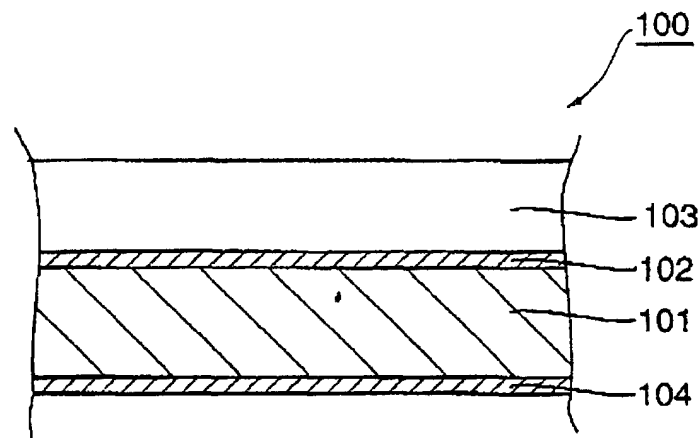
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(54) **Composite recording medium and manufacturing method therefor, recording medium set, dot recording apparatus and dot recording method**

(57) An object of the present invention is to provide a recording medium having functions for trial printing. To realize that object, the composite recording medium

of the present invention has two or more types of parts exhibiting different surface properties integrated in one sheet of recording paper.

FIG.1





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EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 14 October 2004	Examiner Patosuo, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 14 October 2004	Examiner Patosuo, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-5, 9, 10, 16, 18, 20, 22, 23

1.1. claims: 1-5, 9, 10, 16, 18, 20

Independent claims 1 and 2 define a composite recording medium having two or more types of parts exhibiting different surface properties.

Independent claim 16 defines a recording comprising the recording medium according to claim 1 and same ink image recorded in each of the parts exhibiting different surface properties.

Independent claim 18 defines a recording method wherein the an ink image is printed on the recording medium according to claim 1.

Independent claim 20 defines a recording medium set comprising recording mediums according to claim 1.

1.2. claims: 22, 23

Independent claim 22 defines a recording medium set comprising two or more types of recording mediums exhibiting different surface properties.

2. claims: 6, 11, 17, 19, 21

Independent claim 6 defines a composite recording medium comprising: a base material; a resing coating layer having two or more types of parts exhibiting different surface properties on said base material; and an ink accepting layer on said resin layer.

Independent claim 11 defines a composite recording medium manufacturing method comprising steps for forming a composite recording medium of claim 6.

Independent claim 17 defines a recording comprising same ink image recorded in each of the parts exhibiting different surface properties in the recording medium obtained by the method of claim 11.

Independent claim 19 defines a recording method wherein an ink image is printed on the recording medium obtained by the method of claim 11.

Independent claim 21 defines a recording medium set comprising recording mediums obtained by the method of claim 11.

3. claims: 7, 12



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LACK OF UNITY OF INVENTION
SHEET B

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

Independent claim 7 defines a composite recording medium comprising: a base material; an ink accepting layer in said base material; and a glossy layer comprising two or more types of parts exhibiting different surface properties in said ink accepting layer.

Independent claim 12 defines a composite recording medium manufacturing method comprising steps for forming a composite recording medium of claim 7.

4. claim: 8

Independent claim 8 defines a composite recording medium comprising: a printing base material whereon is formed an ink accepting layer comprising two or more types of parts exhibiting different surface properties; and a pressure sensitive adhesive layer and peel-away base material on surface on opposite side from said ink accepting layer in said printing base material.

5. claim: 13

Independent claim 13 defines a composite recording medium manufacturing method wherein: two or more types of recording medium pieces having different surface properties are formed; and said medium pieces, respectively, are integrated with tape.

6. claim: 14

Independent claim 14 defines a composite recording medium manufacturing method wherein: two or more types of recording medium pieces having different surface properties are formed; and said medium pieces, respectively, are affixed onto a supporting body.

7. claim: 15

Independent claim 15 defines a composite recording medium manufacturing method wherein: two or more types of surface properties are imparted to manufacturing raw material of large width, using a plurality of rollers simultaneously; and each recording medium part is cut away separately.

8. claims: 24-32



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LACK OF UNITY OF INVENTION
SHEET B

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

Independent claim 24 defines a dot recording apparatus comprising: a dot recording head comprising a plurality of dot recording elements; primary scan drive means; head drive means; secondary scan drive means; and control means.

Independent claim 28 defines a dot recording method comprising the following steps: storing beforehand color correction tables, parameters for operations of head drive means, parameters for operations of primary scan drive, and parameters for operations of secondary scan drive means; converting image data; and controlling operations of said drive means.

Independent claim 32 defines a computer readable recording medium, whereon is recorded a program for implementing in a printing processing apparatus the dot recording method cited in claim 28.

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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