

**CLAIMS (3rd subsidiary request)**

1. Printing system incorporating an industrial ink-jet printer implementing the deviated continuous jet technique, and at least one consumable-ink cartridge and one additive cartridge, each cartridge (13, 14) being equipped with an electronic label (11, 12), the printer being equipped with communications means (16, 17) able to establish a link with the electronic label of each cartridge (13, 14), the electronic label containing information intended to ensure an optimal operation of the printer, characterized in that the link is a contactless link by means of radio-type electromagnetic waves (16, 17), the printer being able to verify the chemical compatibility of the ink and of the additive.

2. System according to claim 1, characterized in that the establishment of the electromagnetic link takes place at regular intervals, without requiring a particular intervention by the operator.

3. System according to claim 1, characterized in that the information relates to the nature of the consumable product contained in the corresponding cartridge.

4. System according to claim 1, characterized in that the information relates to the manufacture of the consumable product contained in the corresponding cartridge.

5. System according to claim 1, characterized in that the information relates to the volume of the corresponding cartridge.

6. System according to claim 1, characterized in that the information relates to the internal programming of the printer.

7. System according to claim 1, characterized in that the information consists of messages of logistic or commercial nature, intended to be displayed, upon request, by the printer.

5                   8. System according to claim 1, characterized in that the information includes one or more of the following:

the reference of the consumable product;

the batch number of the latter;

the date of manufacture of the latter;

10                   the volume contained in the cartridge;

the reference viscosity or the viscosity curve as a function of the temperature;

the reference speed and the recovery threshold;

a serial number specific to the label.

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9. System according to any one of the preceding claims, characterized in that the information is loaded in each electronic label (11, 12) when the corresponding cartridge (13, 14) is filled.

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10. System according to any one of the preceding claims, characterized in that the information is stored in the memory of the printer for traceability purposes.

~~11. System according to any one of the preceding claims, characterized in that it can receive an ink cartridge and an additive cartridge.~~

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~~12. System according to any one of the preceding claims, characterized in that said printer is an ink-jet printer.~~