

Title (en)
Printed packages and method of forming printed packaging.

Title (de)
Bedruckte Verpackungen und Verfahren zur Herstellung einer bedruckten Verpackung.

Title (fr)
Emballages imprimés et procédé de réalisation d'un emballage imprimé.

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Application
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Priority
US 82338192 A 19920121

Abstract (en)
The invention relates to packages (16) preferably cardboard or paperboard parallelepiped boxes, formed on a continuous process line from a web of flexible material, the packages bearing printing (17, 18, 19), preferably some (19) unique to each package, which has been printed directly on the web by an ion deposition printing process or toner technology. <IMAGE>

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IPC 8 full level
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B31B 50/16 (2017.07 - EP US); G03G 7/00 (2013.01 - EP); B31B 50/88 (2017.07 - EP)

Citation (search report)

- [A] US 4276112 A 19810630 - FRENCH JOHN B, et al
- [A] US 5012261 A 19910430 - FULTON ALFRED L [US], et al
- [A] PACKAGE ENGINEERING vol. 28, no. 4, 1983, NEW YORK USA pages 242 - 244 RICHARD P. CHURCH 'Imprinting, Individual Packages'
- [AD] RICHARD A. FOTLAND 'Ion Printing, Past, Present and Future' March 1987 , IGC CONFERENCE ON ION DEPOSITION PRINTING , MONTEREY, CALIFORNIA
- [A] 'THE SECOND INTERNATIONAL CONGRESS ON ADVANCES IN NON-IMPACT PRINTING TECHNOLOGIES' November 1984 , SOCIETY OF PHOTOGRAPHIC SCIENTISTS AND ENGINEERS , SPRINGFIELD USA JOHN R. RUMSEY ET AL 'Ion Deposition Printing Technology'

Cited by
FR2709701A1; ES2166226A1; EP1847381A1; EP3337666A4; EP4257310A1; IT202200006800A1; US11442676B2; US7731349B2;
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