



New connection on: : 07-11-2018 : 01:46:39 - Last disconnection on: : 05-11-2018 : 22:41:35

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## Welcome to EPOQUE Rebuild under the Production Environment

[No database/cluster active] ..fi epodoc

 Database: EPODOC

[EPODOC: SS 1] metal and layer and (cavity or pocket or chamber) and card and (pigment or color+ or dye+)

Results in EPODOC 2

[SS 2] ..li



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PN - [KR20130051906](#) A 20130521

PR - KR20110116844 20111110

AP - KR20120126747 20121109

DT - I

CNOI - [C23C14/34](#) ; [B42D25/455](#) ; [B42D25/324](#) ; [B42D25/46](#) ; [B42D25/47](#) ; [B42D25/21](#) ; [B42D25/373](#)

PA - NNP CO LTD [KR]

TI - **METAL CARD** AND FABRICATING METHOD THE SAME

AB - PURPOSE: A **metal card** is provided to show a luxurious impression on the **card** by the **color** and texture of a **metal**, thereby differentiating from plastic cards.  
CONSTITUTION: A **metal card** comprises: a plastic sheet complex comprising an inlay sheet(104) formed with an antenna(111), and a **metal** thin film complex(108). A manufacturing method of the **metal** thin film(127) complex comprises the following steps: forming a resin **layer**(124) in one side of a base film(121); and forming a **metal** thin film having a thickness of 200-1000Å by a sputtering deposition on the surface of the resin **layer**. The **metal** thin film is formed by setting the temperature of a deposition member comprising the base film and the resin **layer** as 35-70deg.C., and by setting the working pressure in a **chamber** as  $4 \times 10^{-5} \sim 1 \times 10^{-3}$  torr while performing the sputtering deposition.

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PN - [US4917292](#) A 19900417  
 PR - US19880179011 19880421  
 AP - US19880179011 19880421  
 DT - \*  
 CT - [US4141400](#) A [ ]; [US4159417](#) A [ ];  
       [US4236332](#) A [ ]; [US4316073](#) A [ ];  
       [US4486870](#) A [ ]; [US4503135](#) A [ ];  
       [US4544181](#) A [ ]; [US4588665](#) A [ ];  
       [US4632428](#) A [ ]; [US4656346](#) A [ ];  
       [US4680459](#) A [ ]; [US4700840](#) A [ ];  
       [US4790566](#) A [ ]  
 CCI - [G11B7/0033](#)  
 CCA - [Y10S283/904](#)  
 PA - DREXLER TECH [US]  
 TI - Book on a **pocket card**  
 AB - A plastic **card** or credit **card** size has a strip of optical recording material thereon containing microtext. The microtext is either electronically or optically reduced from 5 to 200 times and laid out in miniature pages, arranged in an array on the strip. The strip has a metallic or **metal** particle **layer**, giving it a shiny gold or silver **coloration**, against which the microtext appears dark, or vice-versa.

