

Title (en)  
Coated paper product and the method for producing the same

Title (de)  
Gestrichenes Papier und Verfahren zu seiner Herstellung

Title (fr)  
Papier couché et son procédé de fabrication

Publication  
**EP 1630289 B1 20090513 (EN)**

Application  
**EP 05255115 A 20050818**

Priority  
US 60496804 P 20040827

Abstract (en)  
[origin: EP1630289A1] The present invention relates to a coated paper product and the method for producing the same. High levels of an organic pigment, an inorganic pigment, relatively high levels of a binder, as well as, water are combined to form a coating composition which is applied to a low weight paper web. Then, the coated paper web is dried and calendered at relatively low calender intensity. A high bulk low weight or ultra-low weight coated paper product results which exhibits optical and printing properties comparable to its heavier counterparts.

IPC 8 full level  
**D21H 19/42** (2006.01)

CPC (source: EP US)  
**D21H 19/42** (2013.01 - EP US); **D21H 11/10** (2013.01 - EP US); **D21H 19/50** (2013.01 - EP US); **D21H 19/54** (2013.01 - EP US);  
**D21H 21/54** (2013.01 - EP US); **Y10T 428/273** (2015.01 - EP US)

Cited by  
US8334047B2; EP1911881A1; US2010136356A1; CN102677538A; US8236431B2; WO2008156519A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1630289 A1 20060301**; **EP 1630289 B1 20090513**; CN 100593049 C 20100303; CN 1740441 A 20060301; DE 602005014424 D1 20090625;  
JP 2006063509 A 20060309; US 2006042768 A1 20060302

DOCDB simple family (application)  
**EP 05255115 A 20050818**; CN 200510093947 A 20050826; DE 602005014424 T 20050818; JP 2005245192 A 20050826;  
US 20540105 A 20050817