

Title (en)  
GRID IMAGE AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
GITTERBILD UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)  
IMAGE QUADRILLEE ET SON PROCEDE DE PRODUCTION

Publication  
**EP 1904876 A2 20080402 (DE)**

Application  
**EP 06762381 A 20060704**

Priority  
• EP 2006006489 W 20060704  
• DE 102005032997 A 20050714

Abstract (en)  
[origin: WO2007006455A2] The invention relates to a grid image (12) for representing at least one non-grid halftone image with a plurality of brightness steps. Said grid image comprises a plurality of grid patterns (22-1, 22-2, 22-3) which respectively contain a lattice design containing a plurality of ruled grid lines and influencing electromagnetic radiation, and respectively produce a flat region of the halftone image with the same brightness step when illuminated.

IPC 8 full level  
**G02B 5/18** (2006.01); **B42D 15/00** (2006.01); **G02B 5/32** (2006.01); **G03H 1/26** (2006.01); **G03H 1/30** (2006.01)

CPC (source: EP US)  
**B44F 1/10** (2013.01 - EP US); **G02B 5/32** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007006455A2

Citation (examination)  
• DE 10226115 A1 20031224 - GIESECKE & DEVRIENT GMBH [DE]  
• WO 03107047 A1 20031224 - GIESECKE & DEVRIENT GMBH [DE], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102005032997 A1 20070118**; AU 2006269011 A1 20070118; AU 2006269011 B2 20110804; AU 2006269011 B9 20111110;  
CN 101218520 A 20080709; CN 101218520 B 20110608; EP 1904876 A2 20080402; JP 2009501348 A 20090115; RU 2008104886 A 20090820;  
RU 2422863 C2 20110627; US 2008198468 A1 20080821; US 7986459 B2 20110726; WO 2007006455 A2 20070118;  
WO 2007006455 A3 20070329

DOCDB simple family (application)  
**DE 102005032997 A 20050714**; AU 2006269011 A 20060704; CN 200680025130 A 20060704; EP 06762381 A 20060704;  
EP 2006006489 W 20060704; JP 2008520754 A 20060704; RU 2008104886 A 20060704; US 99522806 A 20060704