

Title (en)  
INSTANT SCRATCH-OFF LOTTERY TICKET WITH LUMINESCENT SECURITY MARKER

Title (de)  
SOFORT-RUBBELLOS MIT LEUCHTENDER SICHERHEITSMARKIERUNG

Title (fr)  
BILLET DE LOTERIE INSTANTANÉE À GRATTER À MARQUEUR DE SÉCURITÉ LUMINESCENT

Publication  
**EP 3389802 B1 20220504 (EN)**

Application  
**EP 16820353 A 20161213**

Priority  
• US 201562266759 P 20151214  
• IB 2016057567 W 20161213

Abstract (en)  
[origin: WO2017103777A1] A scratch-off lottery ticket and associated production method are provided wherein a primer material is applied as a dried layer to a front face of a ticket substrate, Game play indicia is printed on the primer layer in a designated game play area, and a scratch-off layer is applied over the game play indicia. The primer layer includes a particulate luminescent material homogeneously dispersed throughout, wherein the particulate luminescent material has a particle size and additive amount relative to the primer layer such that the particulate luminescent material does not add processing or material drying time to application of the primer layer. Fraudulent attempts to remove the scratch-off layer to reveal the underlying play indicia are rendered optically apparent by luminescence of the particulate luminescent material upon subsequent excitation of the play area with an excitation source.

IPC 8 full level  
**A63F 3/06** (2006.01); **B42D 15/02** (2006.01)

CPC (source: EP US)  
**A63F 3/0665** (2013.01 - EP US); **B42D 15/025** (2013.01 - EP US); **B42D 15/085** (2013.01 - EP US)

Citation (examination)  
• US 2012149561 A1 20120614 - RIBI HANS O [US], et al  
• JP 2002127649 A 20020508 - TOPPAN PRINTING CO LTD

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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