Title (en)
   CRYPTOANCHOR READER

Title (de)
   KRYPTOANKERLESER

Title (fr)
   LECTEUR DE CRYPTOANCRE

Publication
   EP 4029193 A4 20231213 (EN)

Application
   EP 20863691 A 20200910

Priority
   • US 201962898348 P 20190910
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Abstract (en)
   [origin: CN114375561A] A unique physical unclonable (PUF) functional object may be produced by molding or extruding specific particles that produce measurable physical properties on the surface. The magnetized particles form a unique measurable magnetic "fingerprint" based on the random size, position, polarity rotation, magnetization level, particle density, etc. of the particles. The PUF objects may also vary in other physical properties by mixing with magnetic, conductive (magnetic or non-magnetic), optically reflective or shaped, varying density or mechanical properties, resulting in random reflection, diffusion or absorption of acoustic energy particles in the matrix or adhesive. The invention envisages sensing any of these characteristics.

IPC 8 full level
   H04L 9/32 (2006.01); **A44C 5/10** (2006.01); **B42D 25/29** (2014.01); **G01R 33/00** (2006.01); **G01R 33/02** (2006.01); **G01R 33/07** (2006.01); **G06F 21/34** (2013.01); **G06F 21/36** (2013.01); **G06F 21/73** (2013.01); **G07D 7/04** (2016.01); **G07D 7/12** (2016.01); **G07D 7/202** (2016.01); **G09C 1/00** (2006.01); **G09C 5/00** (2006.01); **H01L 23/28** (2006.01); **H01L 23/29** (2006.01); **H04L 9/08** (2006.01); **H04W 12/033** (2021.01); **H04W 12/06** (2021.01)

CPC (source: EP)
   G01R 33/072 (2013.01); **G06F 21/34** (2013.01); **G06F 21/73** (2013.01); **G07D 7/04** (2013.01); **G07D 7/1205** (2017.04); **G07D 7/2033** (2013.01); **G07D 7/205** (2013.01); **G09C 1/00** (2013.01); **G09C 5/00** (2013.01); **H04L 9/0866** (2013.01); **H04L 9/3278** (2013.01); **H04W 12/033** (2021.01); G01R 33/0094 (2013.01); G01R 33/0206 (2013.01); H04L 2209/12 (2013.01)

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   • [A] DAN JIANG ET AL: "Anti-counterfeiting using phosphor PUF", ANTI-COUNTERFEITING, SECURITY AND IDENTIFICATION, 2008. ASID 2008. 2ND INTERNATIONAL CONFERENCE ON, IEEE, PISCATAWAY, NJ, USA, 20 August 2008 (2008-08-20), pages 59 - 62, XP031365958, ISBN: 978-1-4244-2584-6
   • See references of WO 2021050713A1

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