

Title (en)
GAS CHROMIC FIBERS AND INCLUSIONS FOR SECURITY ARTICLES

Title (de)
GASCHROMFASERN UND EINSCHLÜSSE FÜR SICHERHEITSARTIKEL

Title (fr)
FIBRES GAZOCHROMIQUES ET INCLUSIONS POUR ARTICLES DE SÉCURITÉ

Publication
EP 3341878 A4 20190904 (EN)

Application
EP 15902410 A 20150824

Priority
US 2015046514 W 20150824

Abstract (en)
[origin: WO2017034540A1] Disclosed are security articles and methods and systems for authenticating security articles using a plurality of stimuli. According to one embodiment, an illustrative secured article includes an embedded feature wherein differential activation of phosphorescent or fluorescent materials creates a machine readable response through the simultaneous presence of a source of electromagnetic radiation and a specific gas environment. A detector detects a differential spectral emission across the security feature that results from the change in gas environment. The spectral emission may be compared to an expected emissive signature to determine authenticity of the security article.

IPC 8 full level
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Citation (search report)

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- [XY] US 9075020 B2 20150707 - LAWANDY NABIL M [US]
- [Y] US 2013234043 A1 20130912 - HUSSAIN KHALID [US], et al
- [XY] WO 2015066716 A2 20150507 - SPECTRA SYSTEMS CORP [US]
- See references of WO 2017034540A1

Designated contracting state (EPC)
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