

Title (en)

IN-FIELD DNA EXTRACTION, DETECTION AND AUTHENTICATION METHODS AND SYSTEMS THEREFOR

Title (de)

VERFAHREN FÜR IN-SITU-DNA-EXTRAKTION, NACHWEIS UND AUTHENTIFIZIERUNG SOWIE SYSTEME DAFÜR

Title (fr)

PROCÉDÉS D'EXTRACTION, DE DÉTECTION ET D'AUTHENTIFICATION DE L'ADN SUR LE TERRAIN, ET SYSTÈMES ASSOCIÉS

Publication

**EP 3186392 A4 20180404 (EN)**

Application

**EP 15834960 A 20150128**

Priority

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- US 2015013184 W 20150128

Abstract (en)

[origin: WO2016032562A1] The invention provides a method for in-field detection of a distinctive marker. The method includes providing a sample from an article of interest and analyzing the sample to detect the presence of the distinctive marker. The analysis is performed using an in-field detection instrument. The in-field detection instrument includes a microsystem configured to perform sample in-answer out analysis and detect the presence of the distinctive marker in the sample.

IPC 8 full level

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CPC (source: EP)

**C12Q 1/6834** (2013.01); **C12Q 1/6846** (2013.01)

Citation (search report)

- [X] WO 2009017861 A2 20090205 - EAGLE EYE RES INC [US], et al
- [E] WO 2015054188 A1 20150416 - APDN BVI INC [US]
- [A] US 2014141984 A1 20140522 - SWARTZ MARY F [US], et al
- [A] WO 2004063856 A2 20040729 - INTEGRATED NANO-TECHNOLOGIES L [US]
- [X] DAE-HWAN PARK ET AL: "Avatar DNA Nanohybrid System in Chip-on-a-Phone", SCIENTIFIC REPORTS, vol. 4, no. 1, 14 May 2014 (2014-05-14), XP055452316, DOI: 10.1038/srep04879
- See references of WO 2016032562A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2016032562 A1 20160303**; AU 2015307229 A1 20170316; CA 2959312 A1 20160303; EP 3186392 A1 20170705; EP 3186392 A4 20180404; JP 2017532015 A 20171102

DOCDB simple family (application)

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