

Title (en)

USING NORMALIZED CONFIDENCE VALUES FOR CLASSIFYING MOBILE DEVICE BEHAVIORS

Title (de)

VERWENDUNG VON NORMALISIERTEN KONFIDENZWERTEN ZUR KLASSIFIZIERUNG DER VERHALTENSWEISEN MOBILER VORRICHTUNGEN

Title (fr)

UTILISATION DE VALEURS DE CONFIANCE NORMALISÉES POUR CLASSER DES COMPORTEMENTS DE DISPOSITIF MOBILE

Publication

EP 3335160 A1 20180620 (EN)

Application

EP 16742116 A 20160708

Priority

- US 201514826430 A 20150814
- US 2016041470 W 20160708

Abstract (en)

[origin: WO2017030672A1] Methods and systems for classifying mobile device behavior include generating a full classifier model that includes a finite state machine suitable for conversion into boosted decision stumps and/or which describes all or many of the features relevant to determining whether a mobile device behavior is benign or contributing to the mobile device's degradation over time. A mobile device may receive the full classifier model along with sigmoid parameters and use the model to generate a full set of boosted decision stumps from which a more focused or lean classifier model is generated by culling the full set to a subset suitable for efficiently determining whether mobile device behavior are benign. Results of applying the focused or lean classifier model may be normalized using a sigmoid function, with the resulting normalized result used to determine whether the behavior is benign or non-benign.

IPC 8 full level

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CPC (source: EP US)

G06F 21/552 (2013.01 - EP); **G06N 5/02** (2013.01 - EP US); **G06N 5/025** (2013.01 - EP); **G06N 5/043** (2013.01 - EP); **G06N 20/00** (2018.12 - EP)

Citation (search report)

See references of WO 2017030672A1

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