Title (en)

OPTIMIZATION FOR REAL-TIME, PARALLEL EXECUTION OF MODELS FOR EXTRACTING HIGH-VALUE INFORMATION FROM DATA STREAMS

Title (de)

OPTIMIERUNG FÜR PARALLELE ECHTZEIT-AUSFÜHRUNG VON MODELLEN ZUR EXTRAKTION VON HOCHWERTIGEN INFORMATIONEN AUS DATENSTRÖMEN

Title (fr)

OPTIMISATION POUR EXÉCUTION PARALLÈLE EN TEMPS RÉEL DE MODÈLES POUR EXTRAIRE DES INFORMATIONS DE VALEUR ÉLEVÉE DE FLUX DE DONNÉES

Publication

EP 3380906 A4 20190731 (EN)

Application

EP 16869309 A 20161123

Priority

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- US 201562259023 P 20151123
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- US 2016063678 W 20161123

Abstract (en)

[origin: WO2017091774A1] A computer system identifies high-value information in data streams. The computer system receives a filter graph definition. The filter graph definition includes a plurality of filter nodes, each filter node including one or more filters that accept or reject packets. Each respective filter is categorized by a number of operations, and the one or more filters are arranged in a general graph. The computer system performs one or more optimization operations, including: determining if a closed circuit exists within the graph, and when the closed circuit exists within the graph, removing the closed circuit; reordering the filters based at least in part on the number of operations; and parallelizing the general graph such that the one or more filters are configured to be executed on one or more processors.

IPC 8 full level

G06E 1/00 (2006.01); **G06F 9/52** (2006.01)

CPC (source: EP)

G06F 9/52 (2013.01); **G06F 9/524** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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