

Title (en)
SYSTEMATIC PROGNOSTIC ANALYSIS WITH DYNAMIC CAUSAL MODEL

Title (de)
SYSTEMATISCHE PROGNOSTISCHE ANALYSE MIT DYNAMISCHEM KAUSALMODELL

Title (fr)
ANALYSE PRONOSTIQUE SYSTÉMATIQUE AVEC MODÈLE CAUSAL DYNAMIQUE

Publication
EP 3827387 A1 20210602 (EN)

Application
EP 18779087 A 20180827

Priority
US 2018048049 W 20180827

Abstract (en)
[origin: WO2020046261A1] Method and system for systematic prognostic analysis includes a systematic prognosis analysis engine including causal model assembly algorithms for receiving streams of statistical features of the OE entities based on historical data, constructing a graphical integrated causal model having a series of topologies, each topology having nodes that represent stochastic variables associated with the OE entities. For each variable, structured conditional probability tables are constructed based on a dynamic Bayesian model and corresponding conditional probability tables are attached to each variable. The systematic prognosis analysis engine may include meta-analysis algorithms for detecting knowledge gaps in the input data used for constructing the structured conditional probability tables and optimizing the topology based on computational resource constraints.

IPC 8 full level
G06Q 10/04 (2012.01)

CPC (source: EP)
G05B 17/02 (2013.01); **G05B 23/0248** (2013.01); **G06Q 10/04** (2013.01)

Citation (search report)
See references of WO 2020046261A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020046261 A1 20200305; EP 3827387 A1 20210602

DOCDB simple family (application)
US 2018048049 W 20180827; EP 18779087 A 20180827