Title (en)

METHOD FOR TRANSFORMING A SEQUENCE SO AS TO RENDER IT EXECUTABLE BY A MACHINE

Title (de)

VERFAHREN ZUR TRANSFORMATION EINER SEQUENZ, UM SIE DURCH EINE MASCHINE AUSFÜHRBAR ZU MACHEN

Title (fr)

PROCÉDÉ DE TRANSFORMATION D'UNE SÉQUENCE POUR LA RENDRE EXÉCUTABLE PAR UNE MACHINE

Publication

EP 3750051 A1 20201216 (FR)

Application

EP 19710040 A 20190207

Priority

- FR 1850996 A 20180207
- FR 2019050272 W 20190207

Abstract (en)

[origin: US2019243324A1] A computer-implemented method for transforming a sequence comprising multiple words from a natural language to a machine executable sequence in real-time to control a machine. The sequence constituted by multiple characters forming words from the natural language is preprocessed by comparing the sequence to data from a database comprising classes. The sequence is searched for simple expressions and GI expressions known to be an upstream function class or a downstream function class. The sequence is dichotomized until all of the function classes contained in the sequence that are capable of resulting in dichotomies have been dichotomized. The first to the last classes of the sequence are iterated and each executable class is executed by a machine.

IPC 8 full level

G06F 8/41 (2018.01); **G06F 40/20** (2020.01)

CPC (source: EP US)

G05B 19/0426 (2013.01 - US); **G06F 8/41** (2013.01 - EP US); **G06F 16/24522** (2019.01 - US); **G06F 16/282** (2019.01 - US); **G06F 40/20** (2020.01 - EP US); **G06F 40/284** (2020.01 - EP US); **G06F 40/40** (2020.01 - US); G05B 2219/23272 (2013.01 - US)

Citation (examination)

CHEN YAO-HSIANG ET AL: "Voice control design of a mobile robot using shared-control approach", 2017 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC), IEEE, 5 October 2017 (2017-10-05), pages 105 - 110, XP033270915, DOI: 10.1109/SMC.2017.8122586

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)

US 11009845 B2 20210518; **US 2019243324 A1 20190808**; EP 3750051 A1 20201216; FR 3077656 A1 20190809; WO 2019155168 A1 20190815

DOCDB simple family (application)

US 201916268247 A 20190205; EP 19710040 A 20190207; FR 1850996 A 20180207; FR 2019050272 W 20190207