

Title (en)

INTELLIGENT VIBRATION DIGITAL TWIN SYSTEMS AND METHODS FOR INDUSTRIAL ENVIRONMENTS

Title (de)

INTELLIGENTE DIGITALE VIBRATIONSDDOPPELSYSTEME UND VERFAHREN FÜR INDUSTRIELLE UMGEBUNGEN

Title (fr)

SYSTÈMES DE JUMEAUX NUMÉRIQUES À VIBRATION INTELLIGENTE ET PROCÉDÉS POUR ENVIRONNEMENTS INDUSTRIELS

Publication

**EP 4066073 A1 20221005 (EN)**

Application

**EP 20894311 A 20201125**

Priority

- US 201962939769 P 20191125
- US 202063016974 P 20200428
- US 202063054600 P 20200721
- US 202063069548 P 20200824
- US 202063111526 P 20201109
- US 2020062384 W 20201125

Abstract (en)

[origin: CN115039045A] A platform for updating one or more attributes of one or more digital twins, comprising: receiving a request for one or more digital twins; retrieving the one or more digital twins required to meet the request from a digital twinning data store; retrieving one or more dynamic models corresponding to one or more attributes described in the one or more digital twins indicated by the request; selecting a data source from a set of available data sources based on one or more inputs of the one or more dynamic models; acquiring data from the selected data source; determining one or more outputs of the one or more dynamic models using the retrieved data as one or more inputs; and updating the one or more attributes of the one or more digital twins based on the one or more outputs of the one or more dynamic models.

IPC 8 full level

**G05B 19/418** (2006.01); **G05B 23/02** (2006.01); **G06T 19/00** (2011.01)

CPC (source: EP)

**G05B 17/02** (2013.01); **G05B 19/406** (2013.01); **G05B 19/41885** (2013.01); **H04L 67/12** (2013.01); **G05B 2219/37434** (2013.01); **Y02P 80/10** (2015.11); **Y02P 90/02** (2015.11)

Cited by

WO2024119492A1

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)

CN 115039045 A 20220909; EP 4066073 A1 20221005; EP 4066073 A4 20240403

DOCDB simple family (application)

CN 202080094528 A 20201125; EP 20894311 A 20201125