

Title (en)

SYSTEM AND METHOD FOR REALIZING A BUILDING USING AUTOMATED BUILDING MASSING CONFIGURATION GENERATION

Title (de)

SYSTEM UND VERFAHREN ZUR REALISIERUNG EINES GEBÄUDES MITTELS AUTOMATISIERTER ERZEUGUNG EINER GEBÄUDEKÖRPER-KONFIGURATION

Title (fr)

SYSTÈME ET PROCÉDÉ POUR RÉALISER UN BÂTIMENT PAR GÉNÉRATION DE CONFIGURATIONS D'AGGLOMÉRATION DE BÂTIMENTS AUTOMATISÉE

Publication

**EP 2973073 A1 20160120 (EN)**

Application

**EP 14762761 A 20140314**

Priority

- US 201313834430 A 20130315
- US 2014029288 W 20140314

Abstract (en)

[origin: WO2014144750A1] Computer based methods and systems for evaluating different building designs are disclosed. In one embodiment, the method involves generating a first set of different building massing configurations using a shape grammar, storing the generated first set of different building massing configurations in a building massing library, reducing the first set of different building massing configurations according to a parameter search to form a second set of different building massing configurations, the second set being a subset of the first set, and using the second set of different building massing configurations to evaluate an aspect of a building system.

IPC 8 full level

**G06F 17/50** (2006.01)

CPC (source: EP)

**G06F 30/13** (2020.01); **G06F 2111/06** (2020.01); **G06F 2111/20** (2020.01)

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 2014144750 A1 20140918**; CN 105378733 A 20160302; EP 2973073 A1 20160120; EP 2973073 A4 20161102

DOCDB simple family (application)

**US 2014029288 W 20140314**; CN 201480027943 A 20140314; EP 14762761 A 20140314