

Title (en)

COMPUTER-ASSISTED METHOD AND DEVICE FOR CONTROLLING A CONCRETE MIXING FACILITY

Title (de)

COMPUTERGESTÜTZTES VERFAHREN SOWIE EINRICHTUNG ZUR STEUERUNG EINER BETON-MISCHANLAGE

Title (fr)

PROCÉDÉ ASSISTÉ PAR ORDINATEUR ET DISPOSITIF POUR COMMANDER UNE CENTRALE À BÉTON

Publication

**EP 4072809 A1 20221019 (DE)**

Application

**EP 20835698 A 20201210**

Priority

- DE 102019219373 A 20191211
- EP 2020085500 W 20201210

Abstract (en)

[origin: CA3161788A1] The invention relates to a computer-assisted method and to a device for controlling a concrete mixing facility for producing ready-mixed concrete (1) or pre-mixed pouring concrete which is mixed at least from the components cement (6a; 6b) and aggregates (8a, 8b, 8c) with addition of water (9) in a motor-driven mixer unit (3). Prior to the start of the mixing process, at least the required mixing time (tM) of the mixer unit (3) is calculated by means of an electronic predictive unit (10), which takes into account the current moisture content (F) of at least the aggregates (8a, 8b, 8c) to be added, measured by means of at least one humidity sensor (11), and the component temperature (TK), the mixer temperature (TM) and/or the external temperature (TA), measured or determined by means of at least one temperature sensor (12; 13; 14) or thermal imaging camera, in order to determine the required mixing time (tM) of the mixer unit (3) on the basis of a predefined concrete formula (18), taking into account the various measured values determined by the sensors.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP)

**C04B 40/0032** + **C04B 28/02**

Citation (search report)

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DOCDB simple family (publication)

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