

Title (en)

Method of producing concrete in a mobile concrete station.

Title (de)

Verfahren zur Herstellung von Beton in einem beweglichen Posten.

Title (fr)

Procédé pour la fabrication de béton dans un poste mobile.

Publication

EP 0199884 A2 19861105 (EN)

Application

EP 85850157 A 19850503

Priority

SE 8306098 A 19831107

Abstract (en)

The invention refers to a method of producing concrete in a mobile computer controlled concrete station (22) for the production of concrete mixtures, comprising cement, aggregate material of gravel and sand, and water, with or without superplasticizers. In the concrete station, that is realized for computer control of the mixing processes, the aggregate material is supplied to a telescopic sorter device (2) for screening and distributing the aggregate material according to size to a plurality of collecting cells (3). A system of trap doors (4) and valves (5) in co-operation with electronic equipment for the weighing of the aggregate material in exact proportion by means of a weighing drum (6), is computer controlled. The content of the weighing drum (6) is transferred to a mixer drum (7) by pneumatic means. A preprogrammed amount of water, and, if desired, amounts of superplasticizers are supplied from tanks (12) to the mixer drum through pipes. The mixer drum is provided with means for electric measurement of the ZETA-potential difference or of the conductivity in the cement paste. Using these measuring quantities and nominal values for water and for the used kind of superplasticizers, the consistency of the mix can be controlled through computer controlled supply of water and superplasticizers under due observance of said nominal values.

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IPC 8 full level

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CPC (source: EP)

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Cited by

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