

Title (en)

AUTOMATED MANUFACTURING OF LARGE SCALE SHELL STRUCTURES IN SETTING MATERIALS

Title (de)

AUTOMATISIERTE HERSTELLUNG VON GROSSFLÄCHIGEN SCHALENSTRUKTUREN BEI ABBINDENDEN MATERIALIEN

Title (fr)

FABRICATION AUTOMATISÉE DE STRUCTURES DE COQUE À GRANDE ÉCHELLE EN MATÉRIAUX DURCISSABLES

Publication

**EP 2323823 B1 20130925 (EN)**

Application

**EP 09806897 A 20090812**

Priority

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Abstract (en)

[origin: WO2010019051A1] System for construction of large-scale self-bearing shell structures in a setting material. The system comprises a self-contained unit with a material supply system, a material tank and a pump connected to said supply system. It also has a material dispensing nozzle and a manipulation arm. The supply system is adapted to feed the material to the nozzle. Computer-controlled actuators control the manipulation arm and dispensing of material. A traverse crane carries said unit, which is adapted to be computer controlled according to a CAM-pattern. The nozzle can be moved in an arbitrary path within a predetermined operation section, as well as be arranged for dispensing material in substantially any arbitrary direction, by means of said dispensing nozzle and manipulation arm. Components are suspended from the traverse crane and the tank is suspended from the traverse crane or adapted to move with the bogie of the same.

IPC 8 full level

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CPC (source: EP)

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