

Title (en)

DESIGN OPTIMIZED COMPOSITIONS AND PROCESSES FOR MICROSTRUCTURALLY ENGINEERING CEMENTITIOUS MIXTURES

Title (de)

ENTWURF OPTIMIERTER ZUSAMMENSETZUNGEN UND VERFAHREN ZUR MIKROSTRUKTURELLEN BEARBEITUNG VON ZEMENTMISCHUNGEN

Title (fr)

COMPOSITIONS OPTIMISEES ET PROCEDES DE CONCEPTION MICROSTRUCTURELLE DE MELANGES DE CIMENT

Publication

EP 0714383 A1 19960605 (EN)

Application

EP 94927185 A 19940818

Priority

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Abstract (en)

[origin: WO9505350A1] A method for manufacturing a design optimized cement mixture comprising the steps of: calculating the maximum packing density for the cement, fine aggregate and coarse aggregate (66); setting the optimal cost mixture (69); calculating the volume of water for a desired slump (72); determining cement mixture strength (74); comparing calculated strength versus desired strength (76); calculating mixture cost (80); comparing it to optimal mixture cost (82); and comparing the volume of fine aggregate with the maximum volume of fine aggregate allowed.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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