

Title (en)

Improved concrete-mixing process and plant with mixing of components

Title (de)

Verbessertes Verfahren zur Herstellung von Beton und Anlage zum Vermischen von den Komponenten

Title (fr)

Procédé amélioré pour la fabrication de béton et installation pour mélanger des composants

Publication

EP 1529617 A2 20050511 (EN)

Application

EP 04078074 A 20041105

Priority

IT MI20032143 A 20031106

Abstract (en)

Improved concrete-mixing process and relative plant with the mixing of components in the field of the mixing of cement and non-cement aggregates with the mixing of components in the dry state thus allowing a fine homogenization of the compound, but with perfectly dosed single elements. A process is provided together with a plant subdivided into two areas or basic phases. The first area or phase consists in dry mixing batches of components, batchwise, the second area or phase consists in the continuation of the mixing and continuous hydration of the compound by means of a mixer-feeder.

IPC 1-7

B28C 5/08; **B28C 7/04**; **B28C 7/12**

IPC 8 full level

B28C 5/08 (2006.01); **B28C 7/04** (2006.01); **B28C 7/12** (2006.01); **B28C 7/16** (2006.01)

CPC (source: EP)

B28C 5/0875 (2013.01); **B28C 7/10** (2013.01); **B28C 7/12** (2013.01); **B28C 7/161** (2013.01)

Cited by

US11623191B2; CN106881764A; CN113043465A; CN111055377A; CN111531717A; JP2020529340A; EP4086056A1; WO2019030328A1; EP3664981B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1529617 A2 20050511; **EP 1529617 A3 20060412**; IT MI20032143 A1 20050507

DOCDB simple family (application)

EP 04078074 A 20041105; IT MI20032143 A 20031106