

Title (en)
METHOD FOR PRODUCING A CONCRETE BODY

Title (de)
VERFAHREN ZUM HERSTELLEN EINES BETONKÖRPERS

Title (fr)
PROCÉDÉ DE FABRICATION D'UN CORPS EN BÉTON

Publication
EP 2429788 A1 20120321 (DE)

Application
EP 10718928 A 20100423

Priority
• EP 2010055488 W 20100423
• DE 102009021123 A 20090513

Abstract (en)
[origin: WO2010130551A1] The invention relates to a method for producing a concrete body (2) having a planar upper side (1), wherein a high surface quality is obtained. In the method, a concrete body (2) is extruded from unset concrete and is provided with a groove profile at the upper side (1) thereof by means of a profiling unit. By means of the profiling unit and depending on the comb-shaped profile thereof, the sand particles are separated according to size, wherein large sand particles are displaced from the surface area of the concrete body (2) toward the inside, this being toward the interior of the concrete body (2). Only fine sand particles can pass the profile, whereby raised areas of the groove profile are formed, which are made of extremely fine-grained unset concrete. Subsequently, the upper side (1) of the concrete body (2) is leveled by means of a leveling unit, wherein the raised areas of the groove profile are crushed and the fine-grained unset concrete of the raised areas of the groove profile is distributed to form a cover layer (19).

IPC 8 full level
B28B 3/20 (2006.01); **B28B 11/08** (2006.01); **B28B 11/16** (2006.01); **B29C 48/30** (2019.01)

CPC (source: EP US)
B28B 3/20 (2013.01 - EP US); **B28B 11/0845** (2013.01 - EP US); **B28B 11/0863** (2013.01 - EP US); **B28B 11/16** (2013.01 - US)

Citation (search report)
See references of WO 2010130551A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
DE 102009021123 A1 20101118; **DE 102009021123 B4 20150115**; CN 102413996 A 20120411; CN 102413996 B 20150513; EP 2429788 A1 20120321; EP 2429788 B1 20160608; MY 161070 A 20170414; RU 2483870 C1 20130610; US 2012126446 A1 20120524; US 2015086665 A1 20150326; WO 2010130551 A1 20101118; ZA 201106958 B 20120530

DOCDB simple family (application)
DE 102009021123 A 20090513; CN 201080020003 A 20100423; EP 10718928 A 20100423; EP 2010055488 W 20100423; MY PI2011005265 A 20100423; RU 2011143853 A 20100423; US 201013319212 A 20100423; US 201414565959 A 20141210; ZA 201106958 A 20110922