

Title (en)
MANUFACTURING PROCESS FOR ARTIFICIAL PAVEMENT FOR COUNTERING GLOBAL WARMING

Title (de)
HERSTELLUNGSVERFAHREN FÜR EINEN KÜNSTLICHEN STRASSENBELAG ZUR BEKÄMPFUNG DES TREIBHAUSEFFEKTS

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE CHAUSSÉE ARTIFICIELLE PERMETTANT DE LUTTER CONTRE LE RÉCHAUFFEMENT CLIMATIQUE

Publication
EP 2631364 A1 20130828 (EN)

Application
EP 11833694 A 20110908

Priority

- CN 201010526375 A 20101019
- CN 2011001524 W 20110908

Abstract (en)
Provided is a method for manufacturing artificial paving that helps improving global warming. A water permeable paving layer (40) is provided under which a drain layer (30), which includes gravels or sand, is selectively formed, and an interfacing layer (20) is formed under the drain layer (30). An ecological gradation layer (10) is set and rammed. The underside ecological gradation layer (10) provides an effect of supporting and, due to the ecological gradation layer (10) containing therein hollow bodies (11), which can be embodied as disaster-prevention water-storage hollow bodies (11) or earth-improvement hollow bodies (11) or microorganism-culture hollow bodies (11) or water-keeping hollow bodies (11) as desired, allows rainwater falling on ground surface to quickly penetrate down into the underground location, makes the ecological gradation layer (10) effectively preserve water in high water content, and prompt breeding of microorganisms, whereby when the atmosphere is of a high temperature, underground humidity can be released through drainpipes (41) that constitute the water permeable paving.

IPC 8 full level
E01C 3/00 (2006.01); **E01C 3/06** (2006.01); **E01C 7/14** (2006.01); **E01C 9/00** (2006.01); **E01C 11/22** (2006.01); **E01C 19/50** (2006.01)

CPC (source: EP KR)
E01C 3/003 (2013.01 - EP); **E01C 3/06** (2013.01 - EP); **E01C 7/14** (2013.01 - EP); **E01C 7/32** (2013.01 - KR); **E01C 9/001** (2013.01 - EP); **E01C 11/226** (2013.01 - EP); **E01C 19/508** (2013.01 - EP); **E01C 2201/20** (2013.01 - EP)

Cited by
CN105735088A; EP3269879A4; CN104532712A; DE102017113307A1; DE102022120632A1

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