

Title (en)
A better solution for the concrete boxes normally used in the fungiform pavements

Title (de)
Verbesserte Hourdissteine für Pilzdecke

Title (fr)
Hourdis perfectionnés pour planchers champignons

Publication
EP 0884427 A2 19981216 (EN)

Application
EP 98670003 A 19980514

Priority
PT 10201997 A 19970611

Abstract (en)
This invention is to be used in fungiform concrete floors. It's made by a box (1) of plastic material (any polymer) characterised to have feet (5) which permit to keep a distance from the bottom of the box to the form-work and like that permitting a total involvement by the concrete (12). With this invention it's possible to make simultaneously the floor of the superior floor and the roof of the inferior floor (16 and 12). Because of his form - truncated pyramidal - the transport (20) is very easy and cheap. The box is also cheaper than the normal concrete boxes because it can be made of recycled plastic. On the other hand it's easier for workers to manipulate them because of his light weight and easy distribution in the work.
<IMAGE>

IPC 1-7
E04B 5/21; **E04B 5/43**; **E04B 5/48**; **E04C 1/39**

IPC 8 full level
E04B 5/21 (2006.01); **E04B 5/32** (2006.01); **E04B 5/43** (2006.01)

CPC (source: EP)
E04B 5/21 (2013.01); **E04B 5/326** (2013.01); **E04B 5/43** (2013.01)

Cited by
WO03048471A1; CN100381662C; CN100393966C; CN100412297C; CN100439618C; CN100455752C; CN100393963C; CN100412296C; CN100434622C; CN100458044C; CN100458056C; CN100362192C; CN100406659C; CN100429368C; CN100458037C; CN100419179C; CN100400771C; CN100412290C; CN100365221C; CN100414052C; CN100439615C; CN100381663C; CN100400772C; CN100402767C; CN100402768C; CN100365225C; AU2005240674B2; LT6097B; CN100370094C; CN100357541C; CN100400774C; CN100422458C; CN100412299C; CN100434620C; CN100439619C; CN103161111A; CN100412291C; CN100458075C; CN100408778C; CN100393965C; CN100434618C; CN100434619C; CN100406657C; CN100406664C; CN100427692C; CN100422455C; CN100420803C; CN100422456C; CN100455748C; CN100412293C; CN100419178C; CN100441807C; CN100427696C; CN100455738C; CN100412292C; CN100455755C; CN100420813C; CN100396867C; CN100420804C; CN100420805C; CN100422457C; ITTO20110013A1; ITTV20120095A1; CN100441797C; CN100455742C; CN100370099C; CN100412283C; CN100420806C; CN100412289C; CN100427698C; CN100408776C; CN102277916A; ITTV20100004A1; CN103161304A; CN100350110C; CN100393952C; CN100386490C; CN100400765C; CN100386494C; CN100393959C; CN100393960C; CN100390366C; CN100396866C; CN100422463C; CN100365222C; CN100396873C; WO2005108701A1; CN100441799C; CN100386489C; CN100366843C; CN100458072C; CN100393961C; CN100400773C; CN100412279C; CN100427691C; CN100412300C; CN100412285C; CN100402773C; CN100373023C; WO0157335A1; CN100455753C; CN100445486C; CN100445487C; CN100458045C; CN100445488C; CN100458052C; CN100381661C; CN100412298C; CN100441814C; CN100445496C; CN100412286C; CN100427697C; CN100365224C; CN100422453C; CN100422454C; CN100455747C; CN100356005C; CN100445489C; CN100455746C; CN100434609C; CN100441800C; CN100441801C; CN100441804C; CN100445494C; CN100445495C; CN100396872C; DE10004640A1; CN100455744C; CN100441794C; CN100441798C; CN100458040C; CN100458053C; CN100458048C; CN100458049C; CN100408779C; CN100406658C; CN100434614C; CN100400769C; CN100412284C; CN100356021C; CN100449074C; CN102601854A; EP1584766A3; CN100427699C; CN100445493C; CN100434605C; CN100368643C; CN100362190C; CN100383355C; CN100383356C; CN100357545C; CN100434625C; CN100434626C; CN100458070C; CN100393962C; CN100408788C; CN100396864C; CN100412287C; CN100427695C; CN100412288C; CN100434621C; CN100363571C; CN100365223C; WO0103898A1; CN100346042C; CN100441803C; CN100445492C; CN100427693C; CN100420807C; CN100455743C; CN100458042C; CN100383353C; CN100434616C; CN100381664C; CN100429361C; CN100434617C; CN100386492C; CN100360750C; CN100350111C; CN100356006C; CN100362184C; CN100386491C; CN100386493C; CN100400775C; CN100441812C; CN100386488C; CN100412281C; CN100396865C; CN100429362C; CN100429363C; CN100429364C; CN100434615C; CN100402770C; CN100362185C; CN100402771C; CN100402769C; CN100402772C

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0884427 A2 19981216; **EP 0884427 A3 19990908**; **EP 0884427 B1 20020403**; AT E215651 T1 20020415; DE 69804537 D1 20020508; DE 69804537 T2 20030102; ES 2175645 T3 20021116; PT 102019 A 19980130; PT 102019 B 20011130; PT 884427 E 20020930

DOCDB simple family (application)
EP 98670003 A 19980514; AT 98670003 T 19980514; DE 69804537 T 19980514; ES 98670003 T 19980514; PT 10201997 A 19970611; PT 98670003 T 19980514