

Title (en)

FORMWORK OF REDUCING THICKNESS DUE TO LOADING OF SLAB CAST IN-SITU

Title (de)

SCHALUNG MIT REDUZIERTER DICKE AUFGRUND VON IN-SITU-LADEN VON PLATTENGUSS

Title (fr)

COFFRAGE D'ÉPAISSEUR QUI DIMINUE EN RAISON DU CHARGEMENT D'UNE DALLE COULÉE IN SITU

Publication

EP 3008262 A4 20170201 (EN)

Application

EP 14810816 A 20140611

Priority

- NZ 61184113 A 20130611
- NZ 2014000115 W 20140611

Abstract (en)

[origin: WO2014200364A1] An formwork apparatus (1,5) and a method of use of the apparatus, for forming a concrete slab (17). The apparatus comprising a support element (6,7) having an active layer (10) preferably bonded on each side to a backing sheet (8,9). The layer (10) chosen to slowly compress over time when placed under a load, the rate of compression chosen such that the active layer continues to support the slab until such time as the slab becomes self-supporting (i.e. the concrete has cured/set - preferably over a period of 2 to 10 days). The backing sheet (8) has a surface which is preferably of a relatively low coefficient of friction. When two support elements (6,7) are laid one on top of the other with the surfaces (8) in contact, the upper support element (6) may slide over the lower support element (7), for example during a seismic event.

IPC 8 full level

E04G 9/08 (2006.01); **E02D 27/01** (2006.01); **E02D 35/00** (2006.01); **E04B 1/36** (2006.01); **E04B 1/98** (2006.01); **E04B 5/36** (2006.01); **E04B 5/38** (2006.01); **E04G 9/10** (2006.01); **E04G 11/36** (2006.01); **E04H 9/02** (2006.01); **G01N 5/04** (2006.01)

CPC (source: EP US)

E04B 1/36 (2013.01 - US); **E04B 5/36** (2013.01 - US); **E04B 5/38** (2013.01 - EP US); **E04G 9/08** (2013.01 - EP US); **E04G 9/086** (2013.01 - US); **E04G 9/10** (2013.01 - EP US); **E04H 9/021** (2013.01 - EP US); **E04H 9/0215** (2020.05 - US); **E04H 9/0235** (2020.05 - EP US); **G01N 5/04** (2013.01 - EP US)

Citation (search report)

- [XAI] US 2005031832 A1 20050210 - KANNANKERIL CHARLES [US], et al
- [XA] WO 9114828 A1 19911003 - OBERMEISTER LOUIS [GB]
- See references of WO 2014200364A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014200364 A1 20141218; CN 105452581 A 20160330; EP 3008262 A1 20160420; EP 3008262 A4 20170201; JP 2016524060 A 20160812; JP 6416239 B2 20181031; US 2016122998 A1 20160505; US 2017159314 A1 20170608

DOCDB simple family (application)

NZ 2014000115 W 20140611; CN 201480044743 A 20140611; EP 14810816 A 20140611; JP 2016519476 A 20140611; US 201414896068 A 20140611; US 201715435538 A 20170217