

Title (en)  
SHUTTERING SYSTEM

Title (de)  
SCHALUNGSSYSTEM

Title (fr)  
SYSTEME DE COFFRAGE

Publication  
**EP 3216979 B1 20190508 (DE)**

Application  
**EP 16158965 A 20160307**

Priority  
EP 16158965 A 20160307

Abstract (en)  
[origin: US2017254202A1] A formwork system (10; 60), especially for tunnel construction, includes at least one support arrangement (14) for supporting at least one formwork element (16-26; 72-78). The formwork system further includes at least one concrete pump (36), a plurality of concrete supply units (42) for supply to the formwork element and at least one controller (32). On the formwork element (16-26; 72-78) and/or on the support arrangement (14) at least two pressure sensors (44; 92) are disposed at different vertical positions and are connected to the controller (32) of the formwork system, which pressure sensors (44; 92) are designed to measure the pressure acting upon the formwork elements (16-26; 72-78) at a minimum of two different heights of the formwork element, and that the controller (32) is designed to control the concrete supply units (42) individually, dependent on the signal from the pressure sensors (44; 92).

IPC 8 full level  
**E21D 11/10** (2006.01); **E04G 21/02** (2006.01)

CPC (source: EP US)  
**E21D 5/04** (2013.01 - US); **E21D 11/10** (2013.01 - US); **E21D 11/102** (2013.01 - EP US); **E21D 11/105** (2013.01 - EP US); **E04G 21/02** (2013.01 - EP US)

Citation (examination)  
EP 3168413 A1 20170517 - ÖSTU-STETTIN HOCH- UND TIEFBAU GMBH [AT]

Cited by  
CN110645019A; CN110617070A; CN110645020A; EP4077837A1; DE102019108781A1; US11774317B2; CN110656958A; EP3663484A1; WO2020114721A1; WO2021122592A1; WO2021074101A1

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)  
**EP 3216979 A1 20170913; EP 3216979 B1 20190508**; US 2017254202 A1 20170907; US 9945229 B2 20180417

DOCDB simple family (application)  
**EP 16158965 A 20160307**; US 201715450799 A 20170306