**Patentová rešerše verze 141025**  
Z databáze Evropského patentového úřadu <http://worldwide.espacenet.com>

**USA – University of South Carolina**

Vynálezce Dr. Khosnevis Behrokh

### Apparatus for automated construction comprising an extrusion nozzle and a robotic arm

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=4&ND=3&adjacent=true&locale=en_EP&FT=D&date=20130703&CC=EP&NR=2610417A1&KC=A1>

### Multi-Chamber vibrating valve for cementitious material

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=16&ND=3&adjacent=true&locale=en_EP&FT=D&date=20100506&CC=US&NR=2010112119A1&KC=A1>

### Contour Crafting extrusion nozzles

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=24&ND=3&adjacent=true&locale=en_EP&FT=D&date=20090430&CC=WO&NR=2009055580A2&KC=A2>

### Robotic gantry systém

### <http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=7&ND=3&adjacent=true&locale=en_EP&FT=D&date=20111028&CC=HK&NR=1136810A1&KC=A1>

### Fluid metering device using free moving piston

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=15&ND=3&adjacent=true&locale=en_EP&FT=D&date=20100513&CC=US&NR=2010116368A1&KC=A1>

### Techniques for sensing matrial flow rate in automated extrusion

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=23&ND=3&adjacent=true&locale=en_EP&FT=D&date=20090604&CC=WO&NR=2009070580A1&KC=A1>

### Dry material transport and extrusion

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=14&ND=3&adjacent=true&locale=en_EP&FT=D&date=20100603&CC=US&NR=2010136340A1&KC=A1>

### Multi-nozzle assembly for extrusion of wall and construction method

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=6&ND=3&adjacent=true&locale=en_EP&FT=D&date=20120921&CC=HK&NR=1082280A1&KC=A1>

### Extrusion of a cementitious material with different leveling characteristics

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=5&ND=3&adjacent=true&locale=en_EP&FT=D&date=20130307&CC=US&NR=2013059025A1&KC=A1>

### Material delivery system using decoupling accumulator

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=18&ND=3&adjacent=true&locale=en_EP&FT=D&date=20090624&CC=ZA&NR=200804831A&KC=A>

### Extruded wall with rib-like interior

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=19&ND=3&adjacent=true&locale=en_EP&FT=D&date=20090225&CC=ZA&NR=200804559A&KC=A>

### Robotic systems for automated construction

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=3&ND=3&adjacent=true&locale=en_EP&FT=D&date=20131108&CC=HK&NR=1096345A1&KC=A1>

### Contour Crafting extrusion nozzles

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=0&ND=3&adjacent=true&locale=en_EP&FT=D&date=20141016&CC=US&NR=2014308381A1&KC=A1>

### Inserting inhibitor to dreate part boundary isolation during 3D printing

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=1&ND=3&adjacent=true&locale=en_EP&FT=D&date=20140918&CC=US&NR=2014271961A1&KC=A1>

### Deployable Contour Crafting

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=28&ND=3&adjacent=true&locale=en_EP&FT=D&date=20070503&CC=WO&NR=2007050968A2&KC=A2>

### Selective inhibition of bonding of power particles for layered fabrication of 3-D objects

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=33&ND=3&adjacent=true&locale=en_EP&FT=D&date=20030708&CC=US&NR=6589471B1&KC=B1>

### Deployable Contour Crafting <http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=38&ND=3&adjacent=true&locale=en_EP&FT=D&date=20070809&CC=US&NR=2007181519A1&KC=A1>

### Multi-nozzle assembly for extrusion of wall

### http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=40&ND=3&adjacent=true&locale=en\_EP&FT=D&date=20080514&CC=CN&NR=101177955A&KC=A

### Metering and pumping devices

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=8&ND=3&adjacent=true&locale=en_EP&FT=D&date=20130807&CC=EP&NR=2623782A2&KC=A2>

**EU – Technologie D-SHAPE, společnosti Monolite UK**

Vynálezce Enrico Dini a další

### Method and device for building automatically conglomerate structures

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=EPODOC&II=0&ND=3&adjacent=true&locale=en_EP&FT=D&date=20100125&CC=UA&NR=89395C2&KC=C2>

### Improved method for automatically producing a conglomerate structure and apparatus therefor

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=EPODOC&II=1&ND=3&adjacent=true&locale=en_EP&FT=D&date=20101027&CC=ZA&NR=201001097A&KC=A>

### Method and apparatus for a Quit production of a conglomerate building structure

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=EPODOC&II=2&ND=3&adjacent=true&locale=en_EP&FT=D&date=20110224&CC=WO&NR=2011021080A2&KC=A2>

**ČLR - Společnost China Construction steel structure Corp. Ltd.**

Vynálezce – tým  
 **Tower-type 3D (three-dimensional) printer and printing method thereof**

http://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20140514&DB=worldwide.espacenet.com&locale=en\_EP&CC=CN&NR=103786235A&KC=A&ND=4

**ČLR - Společnost Winsun New Materials ze Suzhou**

Nenalezl jsem nic

**GB**

Vynálezci Denholm Timothy a James Henry

A 3D Printer for Printing a Building  
  
<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=17&ND=3&adjacent=true&locale=en_EP&FT=D&date=20140813&CC=GB&NR=2510598A&KC=A>

### 3D printer and print head guide means

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=1&ND=3&adjacent=true&locale=en_EP&FT=D&date=20131120&CC=GB&NR=2502116A&KC=A>

**Možné další patenty, nutno prověřit spojitost s naším projektem**

<http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=3&ND=3&adjacent=true&locale=en_EP&FT=D&date=20140724&CC=US&NR=2014203479A1&KC=A1>