

Houman BOROUCAKI

Patents

P.1 N.FLANDRIN, C.BENNIS, H.BOROUCAKI and P.LEMONNIER

Method of generating a conforming hybrid grid in three dimensions of a heterogeneous formation crossed by one or more geometric discontinuities in order to carry out simulations

AP : 11/134444, IC : E21B43/00 ; G01V1/30 ; G06T17/20 ; E21B43/00 ; G01V1/28 ; G06T17/20 ; (IPC1-7) : G06G7/48,

FD : 23/05/2005 – PD : 08/12/2005.

P.2 N.FLANDRIN, C.BENNIS, H.BOROUCAKI and P.LEMONNIER

Method for simulating uid ows within a medium discretized by a hybrid grid

AP : 11/526744, IC : G06G7/48 ; G06G7/00,

FD : 26/09/2006 – PD : 29/03/2007.

P.3 T.MOUTON, C.BENNIS, H.BOROUCAKI and F.ROGGERO

Method for Constructing a Hybrid Grid From a CPG Type Grid

AP : 12/490554, IC : G06G7/50,

FD : 24/06/2009 – PD : 21/01/2010.

P.4 T.Mouton, C.BENNIS, H.BOROUCAKI and F.ROGGERO

Method for constructing a hybrid mesh starting from a Corner-Point-Geometry mesh

AP : EP20090290440, IC : G06T17/20,

FD : 12/06/2009 – PD : 17/08/2011.

P.5 L.RAN, A.BENALI, H.BOROUCAKI and C.BENNIS

Method for generating a hex-dominant mesh of an underground environment with faults

AP : EP20100290317, IC : G06T17/20 ; G09B23/40,

FD : 11/06/2010 – PD : 19/01/2011.

P.6 L.RAN, A.BENALI, H.BOROUCAKI and C.BENNIS

Method for generating a hex-dominant mesh of a geometrically complex basin

AP : 13/178539, IC : G06T17/00,

FD : 08/07/2011 – PD : 02/02/2012.

P.7 B.YAHIAOUI, A.BENALI, C.BENNIS and H.BOROUCAKI

Method for exploitation of a subterranean medium in accordance with an exploitation scheme defined by an optimized representation

US Patent App. 13/896,694, 2013.

P.8 H.BOROUCAKI, C.BENNIS, A.BENALI and B.YAHIAOUI

Method of exploitation of a subterranean environment according to an exploitation scheme defined by an optimized representation

EP20130305635, 17/05/2013.

P.9 H.BOROUCAKI and P.MUFFAT-JOLY

Systems and method for three-dimensional reconstruction and computer storage medium for said system and method

EP2013/060899, G06T2210/56, 28/11/2013.

P.10 H.BOROUCAKI and P.MUFFAT-JOLY

Systems and methods for topography and three-dimensional reconstruction from a scatter plot and computer storage media for said systems and methods

EP2013/060898, G06T17/05, G06T17/20, 28/11/2013.

P.11 L.RAN, A.BENALI, H.BOROUCAKI and C.BENNIS

Method of generating a hex-dominant mesh of a faulted underground medium

US Patent 8,935,141, 2014.

P.12 H.BOROUCAKI, J.F.LECOMTE, J.M.DANIEL, C.DELAGE and C.BENNIS

Process for constructing a volume mesh for modeling geological structures

US Patent App. 14/603,444, 2015.