

Title (en)

Subsea control module with removable section having a flat connecting face

Title (de)

Unterwassersteuermodul mit abnehmbarem Abschnitt mit flacher Anschlussfläche

Title (fr)

Module de contrôle sous-marins avec section amovible dotée d'une face de connexion plate

Publication

**EP 2383429 A3 20150708 (EN)**

Application

**EP 11164037 A 20110428**

Priority

- US 32988310 P 20100430
- US 81692310 A 20100616

Abstract (en)

[origin: EP2383429A2] A subsea device is configured to control a subsea well. The subsea device includes a frame (82); a blowout preventer (84) connected to the frame (82) and configured to close a bore that fluidly communicates with the subsea well; a pressure supply line (90) connected to the frame (82) and configured to provide a fluid under pressure; a control module (100, 110) connected to the frame (82) and configured to receive the fluid from the pressure supply line (90) and to distribute the fluid to control various functions of the subsea device, the control module (100, 110) including a fixed part (100) and a removable section (110); the fixed part (100) having a first base (191) connected to a valve manifold (130) that houses a hydraulic activated valve (106); and the removable section (110) being configured to detachably attach to the fixed part (100) and including a second base (111) connected to an electrically activated valve (108).

IPC 8 full level

**E21B 33/035** (2006.01); **E21B 33/06** (2006.01)

CPC (source: EP US)

**E21B 33/064** (2013.01 - EP US)

Citation (search report)

- [AD] US 7216714 B2 20070515 - REYNOLDS GRAEME E [US]
- [A] US 2009038805 A1 20090212 - PARKS WILLIAM C [US], et al
- [A] WO 9826155 A1 19980618 - HYDRIL CO [US]

Cited by

CN104035383A; CN114086925A; US9879526B2; US9970287B2; US10202839B2; US11824682B1; WO2014035975A1; WO2016100663A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2383429 A2 20111102; EP 2383429 A3 20150708**; AU 2011201783 A1 20111117; BR PI1101102 A2 20121002; SG 195599 A1 20131230; US 2011266003 A1 20111103

DOCDB simple family (application)

**EP 11164037 A 20110428**; AU 2011201783 A 20110419; BR PI1101102 A 20110429; SG 2013079157 A 20110419; US 81692310 A 20100616