

Title (en)
SUBSEA SYSTEMS AND DEVICES

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Application
EP 87907125 A 19871105

Priority
GB 8626884 A 19861111

Abstract (en)
[origin: WO8803596A1] A system for the control of subsea extraction of a liquid or gaseous hydrocarbon product from a well head on the sea bed in which the product is extracted under the control of valve systems contained in a christmas tree (3) located over and secured to the well head and is then fed via a pipeline to a remote terminal. The christmas tree is controlled and monitored by a control module package (10) which forms the end termination to an umbilical U4 supplying power from and transmitting signals to and from said remote terminal. The control module package (10) is physically connected to the christmas tree (3) underwater by engaging the complementary end terminations (12) and (13) and forms the sole power and signal path connection between the christmas tree and the remote terminal. Guide means (15, 16) and optical or acoustic sensors (17) may be provided to assist in aligning the terminations (12) and (13) during their interconnection.

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E21B 33/038

IPC 8 full level
E21B 33/035 (2006.01); **E21B 33/038** (2006.01)

IPC 8 main group level
E21B (2006.01)

CPC (source: EP)
E21B 33/0355 (2013.01); **E21B 33/038** (2013.01)

Citation (examination)
The Oil and Gas Journal, vol.73, no.44, 03.11.1975 (Pennwell Publ., Tulsa, USA); B.C.Andrews et al: "Unit connects subsea line, buoy", pages 88-92

Cited by
CN113898324A; US9820017B2; WO2016022272A1

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
WO 8803596 A1 19880519; AU 8159287 A 19880601; BR 8707873 A 19891003; DE 3779763 D1 19920716; DE 3779763 T2 19930422; EP 0332622 A1 19890920; EP 0332622 B1 19920610; GB 8626884 D0 19861210; NO 883057 D0 19880708; NO 883057 L 19880912

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