

Title (en)
Pipe string tie-back connector.

Title (de)
Verbindungsvorrichtung für Rohrstrang.

Title (fr)
Connecteur de raccordement pour trains de tubes.

Publication
EP 0109541 A1 19840530 (EN)

Application
EP 83110271 A 19831014

Priority
US 8201474 W 19821014

Abstract (en)
A pipe connector (8) for establishing a remote connection between a riser pipe (12) and a subsea wellhead (10). The connector comprises a plurality of annular elements (40, 52, 54) interconnected by a differential thread system (58, 60) which facilitates making up and breaking the riser-wellhead connection from a drilling platform or other surface location without rotation of the riser or diver assist. The preferred embodiment also includes a provision for establishing a metal-to-metal seal (66) between the connector and the wellhead, and a guide assembly (16) to assure proper alignment of the connector with the wellhead prior to completing the connection.

IPC 1-7
E21B 33/038

IPC 8 full level
F16L 15/00 (2006.01); **E21B 17/02** (2006.01); **E21B 33/038** (2006.01)

CPC (source: EP US)
E21B 33/038 (2013.01 - EP US)

Citation (search report)
• [Y] GB 2094430 A 19820915 - VETCO INC
• [Y] EP 0060549 A1 19820922 - FMC CORP [US]
• [A] US 3521909 A 19700728 - BROWN CICERO C
• [A] US 3986729 A 19761019 - TAYLOR WILLIAM M
• [A] US 3489213 A 19700113 - HUTCHISON CARL R

Cited by
US7861789B2; US7467663B2; US2015176358A1; US9303480B2; GB2237086A; GB2237086B; GB2229782A; GB2229782B; US5988287A; GB2326893A; US5924491A; GB2326893B; WO8701156A1

Designated contracting state (EPC)
AT DE FR GB IT NL SE

DOCDB simple family (publication)
WO 8401610 A1 19840426; AT E24224 T1 19861215; AU 555841 B2 19861009; AU 9126282 A 19840504; BR 8305690 A 19840710; CA 1205741 A 19860610; DE 3368306 D1 19870122; EP 0109541 A1 19840530; EP 0109541 B1 19861210; EP 0122259 A1 19841024; JP S59501676 A 19841004; NO 842363 L 19840613

DOCDB simple family (application)
US 8201474 W 19821014; AT 83110271 T 19831014; AU 9126282 A 19821014; BR 8305690 A 19831014; CA 438908 A 19831013; DE 3368306 T 19831014; EP 82903541 A 19821014; EP 83110271 A 19831014; JP 50352482 A 19821014; NO 842363 A 19840613