

Title (en)
Tubing suspension equipment for a wellhead.

Title (de)
Rohraufhängungsvorrichtung für einen Bohrlochkopf.

Title (fr)
Dispositif de suspension de tubes pour tête de puits.

Publication
EP 0535277 A1 19930407 (EN)

Application
EP 91309001 A 19911001

Priority
EP 91309001 A 19911001

Abstract (en)
A tool for running in and securing a tubing string includes three concentric mutually rotatable sleeves (15,16,17,18,19). The inner sleeve is formed in upper and lower telescopic parts (17,18,19). When these parts are extended rotation can be transmitted from a landing string (14) via both inner sleeve parts for connection to the hanger. When the two inner sleeve parts are retracted there is no direct drive between the parts but rotation of the upper inner sleeve part by the landing string is transmitted via a sun gear on the upper inner sleeve part, planetary gears on the central sleeve (16), and a ring gear (33) on the outer sleeve (15), for rotating a locking ring (36) to expand a split ring (39) to secure the hanger (10) to a spool (3).
<IMAGE>

IPC 1-7
E21B 3/04

IPC 8 full level
E21B 33/04 (2006.01)

CPC (source: EP)
E21B 33/04 (2013.01)

Citation (search report)
• [A] EP 0343298 A2 19891129 - CAMERON IRON WORKS INC [US]
• [A] US 3972546 A 19760803 - PUTCH SAMUEL W

Cited by
US5383519A; EP2248990A3; US5465788A; US11459840B2; GB2537310A; GB2537310B; GB2480213A; GB2480213B; GB2499344A; GB2499344B; US6026898A; EP2357315A1; EP1606074A4; EP2690250A1; US6543533B2; US9242308B2; US9580980B2; WO2015134145A1; WO2010096218A1; WO2011102877A1; US8807229B2; US9027656B2; US6588510B2; US9133679B2; US10132132B2

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