

Title (en)

Metal seal casing patch.

Title (de)

Einrichtung mit metallischer Dichtung zur Reparatur eines Futterrohres.

Title (fr)

Ensemble de réparation avec joint métallique de cuvelage.

Publication

EP 0418056 A1 19910320 (EN)

Application

EP 90309981 A 19900912

Priority

GB 8920607 A 19890912

Abstract (en)

A patch for oil-well casing has a metal-to-metal seal formed by a seal ring (20) forced against a casing stub (10) by a tapered face (42) on a seal body (12). The seal ring (20) has internal annular ribs (52) which are plastically deformed when the seal is set. The material of the seal ring (20) is chosen to give suitable strength and ductility for such deformation, a suitable material being a low alloy Cr-Ni-Mo steel with a carbon content about 0.2%.

IPC 1-7

E21B 17/02; **E21B 29/10**; **E21B 33/10**

IPC 8 full level

E21B 17/08 (2006.01); **E21B 23/01** (2006.01); **E21B 29/10** (2006.01); **E21B 33/10** (2006.01)

CPC (source: EP)

E21B 17/08 (2013.01); **E21B 23/01** (2013.01); **E21B 29/10** (2013.01); **E21B 33/10** (2013.01)

Citation (search report)

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- [A] EP 0289105 A2 19881102 - CAMERON IRON WORKS INC [US]

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