

Title (en)
Inflatable well packers.

Title (de)
Aufblasbarer Packer für Bohrlöcher.

Title (fr)
Packer gonflable de puits.

Publication
EP 0265341 B1 19940615 (EN)

Application
EP 87402350 A 19871021

Priority
US 92262886 A 19861024

Abstract (en)
[origin: EP0265341A2] An inflatable well bore packer element (10), having inner and outer elastomer plies (23, 24) and an intermediate sheath of reinforcing wires (26,30) is secured at each end to a central mandrel (18) by inner and outer annular coupling members (32, 35). Wedge-shaped gripping members (42, 43) that hold the free ends of the reinforcing wires between facing surfaces of the coupling members are positioned and secured by independently tightened rings (46, 48). The inner elastomer ply (23) is bonded to the inside of the inner coupling member (32), and the tip of the inner coupling member is formed with a deformable skirt portion (34) that flexes during packer inflation to oppose extrusion of the inner ply into the reinforcing wire holding area between the facing surfaces. The tip (36) of the outer coupling member is rounded to protect the outer elastomer ply (24) from tearing.

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E21B 33/127

IPC 8 full level
E21B 33/124 (2006.01); **E21B 33/127** (2006.01)

CPC (source: EP)
E21B 33/1243 (2013.01); **E21B 33/1277** (2013.01)

Citation (examination)
FR 2517017 A1 19830527 - CAOUTCHOUC MANUF PLASTIQUE [FR]

Cited by
US10100600B2; US9617802B2; US10100589B2; EP2545246B1

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