

Title (en)
Liner Hanger, Running Tool and Method

Title (de)
Leitungshänger, Einbauwerkzeug und Verfahren

Title (fr)
Suspension de colonne perdue, outil de pose et procédé associé

Publication
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Application
EP 08105836 A 20020515

Priority

- EP 06012127 A 20020515
- EP 02736875 A 20020515
- US 29204901 P 20010518
- US 31645901 P 20010831
- US 94385401 A 20010831
- US 94370101 A 20010831
- US 31657201 P 20010831
- US 98148701 A 20011017
- US 8332001 A 20011019
- US 494501 A 20011204
- US 458801 A 20011204
- US 13696902 A 20020502
- US 13699202 A 20020502

Abstract (en)

A tool for use in a subterranean well to seal with a generally cylindrical interior surface of a tubular or another downhole tool, the tool comprising: a conveyance tubular for positioning the tool at a selected location below the surface of the well; an annular seal assembly disposed about the conveyance tubular, the seal assembly having a reduced diameter run-in position and an expanded sealing position; a wedge ring having a substantially conical outer surface configured to radially expand the annular seal assembly upon axial movement of the annular seal assembly relative to the wedge ring such that the seal assembly is expanded from its run-in position to its expanded sealing position wherein the seal assembly is in sealing engagement with the generally cylindrical interior surface; and the annular seal assembly including a metal framework having a radially inward annular base and a plurality of metal ribs each extending radially outward from the base, the metal framework including an upper downwardly angled primary seal metal rib for sealing pressure below the seal assembly, a lower upwardly angled primary seal metal rib for sealing pressure above the seal assembly, a primary elastomeric seal in a cavity radially outward from the base and axially between the upper primary seal metal rib and the lower primary seal metal rib, an upper downwardly angled secondary seal metal rib spaced axially above the upper primary seal metal rib, and a lower upwardly angled secondary seal metal rib spaced axially below the lower primary seal metal rib.

IPC 8 full level
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Citation (applicant)

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- US 45880102 A
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