

Title (en)

ROLLING-IN PROCESS AND TOOL FOR USE IN CARRYING OUT THIS PROCESS

Publication

**EP 0034549 B1 19831026 (FR)**

Application

**EP 81420011 A 19810212**

Priority

FR 8003348 A 19800215

Abstract (en)

[origin: US4413395A] A method for fixing a tube by expansion improve the seal between a tube and a support plate which are joined by expansion fixing. The method comprises forming fine annular projections on the surface of a bore which is formed in the support plates, and inserting a tube within the bore so that upon expanding the tube within the bore, the projections engage the tube to produce a seal.

IPC 1-7

**B21D 39/06**

IPC 8 full level

**B21D 39/06** (2006.01)

CPC (source: EP US)

**B21D 39/06** (2013.01 - EP US); **Y10T 29/49375** (2015.01 - EP US)

Citation (examination)

- FR 1303273 A 19620907 - AUBOURG FRERES ET CIE
- FR 908952 A 19460424
- DE 923488 C 19550214 - STEINMUELLER GMBH L & C
- US 1988418 A 19350115 - GERMAN ABRAHAM J
- US 1881867 A 19321011 - NELSON ALFRED M
- US 1878049 A 19320920 - GUSTAV WIEDEKE
- US 4154464 A 19790515 - STARY WALTER E [US]
- DE 2505973 A1 19760826 - INTERATOM
- FR 1305575 A 19621005 - COMMISSARIAT ENERGIE ATOMIQUE
- US 2735294 A 19560221

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EP0415215A1; EP0291003A1; US5022437A

Designated contracting state (EPC)

AT BE CH DE GB LI NL SE

DOCDB simple family (publication)

**EP 0034549 A2 19810826; EP 0034549 A3 19810902; EP 0034549 B1 19831026;** AT E5129 T1 19831115; BR 8100857 A 19810825; CA 1150571 A 19830726; DE 3161253 D1 19831201; FR 2475949 A1 19810821; FR 2475949 B1 19840302; IN 153730 B 19840811; IT 1135430 B 19860820; IT 8119680 A0 19810212; JP S56131026 A 19811014; US 4413395 A 19831108

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