

Title (en)
ROLLING-IN PROCESS, TOOL FOR USE IN CARRYING OUT THIS PROCESS AND ASSEMBLY OBTAINED WITH THE AID OF THIS PROCESS

Publication
EP 0034549 A3 19810902 (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 (search report)
US 3428338 A 19690218 - CORWIN HARRY L

Cited by
EP0415215A1; EP0291003A1; US5022437A

Designated contracting state (EPC)
AT BE CH DE GB 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

DOCDB simple family (application)
EP 81420011 A 19810212; AT 81420011 T 19810212; BR 8100857 A 19810212; CA 370637 A 19810211; DE 3161253 T 19810212; FR 8003348 A 19800215; IN 1442CA1980 A 19801229; IT 1968081 A 19810212; JP 1914581 A 19810213; US 23053181 A 19810202