

Title (en)  
PUSHING JACK

Publication  
**EP 0326910 B1 19910918 (FR)**

Application  
**EP 89101177 A 19890124**

Priority  
US 15165088 A 19880202

Abstract (en)  
[origin: EP0326910A1] This telescopic tube (10) consists of a first and a second continuous band (32, 36), wound respectively spirally and helically, with the turns of each band resting flat against one another in the retracted position of the tube. The turns of the respective bands are at right angles to one another. In order to lengthen the tube, the turns of the first band are spaced apart from one another, and the turns of the second band are inserted between the spaced-apart turns of the first band, so as to act as spacers for these latter turns. A mechanism is described here which produces the lengthening and the retraction of the tube, which is used especially as a pushing jack (10). <IMAGE>

IPC 1-7  
**B66F 7/10**; **B66F 11/00**

IPC 8 full level  
**B66F 3/08** (2006.01); **B66F 3/00** (2006.01); **B66F 3/28** (2006.01); **B66F 7/00** (2006.01); **B66F 7/10** (2006.01); **B66F 7/14** (2006.01); **B66F 11/00** (2006.01); **B66F 19/00** (2006.01)

CPC (source: EP)  
**B66F 7/10** (2013.01); **B66F 11/00** (2013.01)

Cited by  
CN107381428A; CN115806250A; CN110182717A; EP3802398A4; EP0588068A1; US5336032A; US5435684A; DE102007041052A1; WO2023035023A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0326910 A1 19890809**; **EP 0326910 B1 19910918**; AT E67464 T1 19911015; AU 2887289 A 19890803; AU 602624 B2 19901018; BR 8900438 A 19890926; CN 1015354 B 19920205; CN 1037126 A 19891115; DE 68900261 D1 19911024; JP 2566161 B2 19961225; JP H01288599 A 19891120; RU 1836283 C 19930823

DOCDB simple family (application)  
**EP 89101177 A 19890124**; AT 89101177 T 19890124; AU 2887289 A 19890127; BR 8900438 A 19890201; CN 89100603 A 19890130; DE 68900261 T 19890124; JP 2094489 A 19890201; SU 4613381 A 19890201