

Title (en)

METHOD AND HAND OPERATED DEVICE FOR THREADING

Publication

**EP 0026351 A3 19810826 (DE)**

Application

**EP 80105281 A 19800904**

Priority

CH 876779 A 19790928

Abstract (en)

[origin: ES8203115A1] The present invention is concerned with threading-in textile materials, such as a yarn, a roving or similar textile or filamentary material, into an enclosed duct or the like. The threading-in of the textile material is accomplished by manually operating a manual apparatus which functions as a pump. In this way there can be avoided the use of expensive and complicated devices presently provided for threading-in textile materials as is known. The invention is astonishingly simple, the manual apparatus is easy and convenient to use, readily transportable and its cost is exceedingly modest.

IPC 1-7

**B65H 51/16**; D01H 15/00

IPC 8 full level

**B65H 51/16** (2006.01); **B65H 51/28** (2006.01); **D01H 17/00** (2006.01)

CPC (source: EP US)

**B65H 51/16** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [A] US 4119244 A 19781010 - FUNKE PETER
- [A] DE 123998 C
- [A] DE 494272 C 19300320 - WESTFAELISCHE EISEN UND BLECHW
- [A] DE 2559423 B1 19770317 - HAMEL GMBH ZWIRNMASCHINEN
- [AP] GB 2033967 A 19800529 - SECR DEFENCE

Cited by

EP0143187A1

Designated contracting state (EPC)

CH DE FR GB IT

DOCDB simple family (publication)

**EP 0026351 A2 19810408**; **EP 0026351 A3 19810826**; AU 6274280 A 19810409; BR 8006218 A 19810407; ES 495764 A0 19820301; ES 8203115 A1 19820301; JP S5656461 A 19810518; US 4353202 A 19821012

DOCDB simple family (application)

**EP 80105281 A 19800904**; AU 6274280 A 19800926; BR 8006218 A 19800926; ES 495764 A 19800926; JP 13449980 A 19800929; US 18501480 A 19800908