

Title (en)
Self-centring expanding shaft

Title (de)
Selbstzentrierende spreizbare Welle

Title (fr)
Arbre expansible à centrage automatique

Publication
EP 1043259 A2 20001011 (EN)

Application
EP 99119660 A 19991004

Priority
IT MI990647 A 19990329

Abstract (en)
A composite expanding shaft comprising a pneumatic expanding blocking system of a bobbin and a pneumatic centering system is disclosed, wherein the pneumatic system comprises at least a movable thrust element operated by a fluid under pressure supplied into an expansion chamber, a first passage way being apt to connect said expansion chamber to an inflation duct of the pneumatic system, and comprising further an obstructing means of said first passage way, jointly movable with said thrust element of the centering system, apt to keep closed said first passage way for at least a predetermined portion of the thrust element stroke. <IMAGE>

IPC 1-7
B65H 75/24

IPC 8 full level
B65H 75/24 (2006.01)

CPC (source: EP US)
B65H 75/243 (2013.01 - EP US); **B65H 75/2484** (2021.05 - EP US)

Cited by
EP2982628A1; CN105293202A; CN113120699A; US10513410B2; WO2016198549A1

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