

Title (en)
Mechanical tube expander

Title (de)
Mechanischer Rohrexponder

Title (fr)
Dispositif d'évasement de tuyau mécanique

Publication
EP 1125654 A2 20010822 (DE)

Application
EP 01250010 A 20010108

Priority
DE 10008688 A 20000218

Abstract (en)
[origin: DE10008688C1] The mechanical pipe expander is a multi-edged pyramid with segments on the mantle surfaces, which are moved radially by an axial movement of the pyramid in relation to them. A lubricant cladding (5) is between the mantle surfaces of the pyramid (2) and the segments (3). The lubricant cladding (5) is a compound carbon fiber material with a polymer matrix containing graphite powder.
[origin: DE10008688C1] The mechanical pipe expander is a multi-edged pyramid with segments on the mantle surfaces, which are moved radially by an axial movement of the pyramid in relation to them. A lubricant cladding (5) is between the mantle surfaces of the pyramid (2) and the segments (3). The lubricant cladding (5) is a compound carbon fiber material with a polymer matrix containing graphite powder.

Abstract (de)
Die Erfindung betrifft einen mechanischen Rohrexponder mit einem pyramidischen Vielkant (2) und auf dessen Mantelflächen angeordneten Segmenten (3), die durch eine axiale Verschiebung des Vielkantes (2) relativ zu den Segmenten (3) radial bewegbar sind. Zwischen den Mantelflächen des Vielkantes (2) und den Segmenten (3) ist ein Verschleißbelag (5) angeordnet. <IMAGE>

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IPC 8 full level
B21D 3/14 (2006.01); **B21D 39/20** (2006.01)

CPC (source: EP US)
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