

Title (en)
A TUBE FOR YARN BOBBINS

Publication
EP 0030951 B1 19830330 (EN)

Application
EP 80901183 A 19801230

Priority
DK 257279 A 19790620

Abstract (en)
[origin: WO8002832A1] A tube for yarn bobbins of a moulded plastic material which may be axially compressed, said tube being composed of a number of connected concentric rings (2), where the two end rings (1 and 3) are differently shaped with inner and outer cylindrical surfaces (4 and 6) or conical surfaces adapted to each other, said surfaces providing a seal, and where the cylindrical or conical surface is formed by arms (9) extending from the rings along generatrices, and the rings are connected with strings (11) shaped as springs which when stretched extend substantially parallel to the generatrices but which are located under the cylindrical or conical surface formed by the arms.

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B65H 75/24; **D06B 23/04**

IPC 8 full level
B65H 75/24 (2006.01); **D06B 23/04** (2006.01)

CPC (source: EP US)
B65H 75/241 (2013.01 - EP US); **D06B 23/042** (2013.01 - EP); **B65H 2701/31** (2013.01 - EP)

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Designated contracting state (EPC)
FR

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WO 8002832 A1 19801224; AT 370457 B 19830411; AT A906380 A 19820815; BE 883735 A 19801210; DE 3049632 C2 19861204; DE 3049632 T1 19820225; DK 144213 B 19820118; DK 144213 C 19820621; DK 257279 A 19801221; EP 0030951 A1 19810701; EP 0030951 B1 19830330; ES 258047 U 19811201; ES 258047 Y 19820516; GB 2063216 A 19810603; IT 1131258 B 19860618; IT 8022539 A0 19800604; JP S56500776 A 19810611

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