

Title (en)
Twisting head rotor

Title (de)
Zwirnkopfroter

Title (fr)
Rotor à tête de retordage

Publication
EP 1895033 A3 20110504 (DE)

Application
EP 07014370 A 20070721

Priority
DE 102006040512 A 20060830

Abstract (en)
[origin: EP1895033A2] Thread tension compensating rollers (5) are held in bearings in the rotor head. One of the bearing bores (2a, 2b) has a connection (11) for lubricant supply. These bores are connected by a passage (9). The connection- and passage bores are coaxial with the rotary axis (14). The connection is close to the twist head rotary axis. It is coaxial with one of the bearing axes (3a, 3b). Spacer rings (7) are located in radially-surrounding grooves of the bearing bores. Within each groove, a surrounding channel recess (8) is formed. Its cross section is smaller than that of the groove. This prevents each spacer ring from touching the base of the recess. Each ring includes a circumferential interruption which opens the bore (9) locally, for lubricant supply to the roller bearings. Movement of the spacer ring is limited by an elevation (12) in the groove, adjacent to the lubricant passage bore.

IPC 8 full level
D02G 3/28 (2006.01); **D01H 7/20** (2006.01)

CPC (source: EP)
D01H 7/02 (2013.01); **D01H 7/20** (2013.01); **D02G 3/285** (2013.01)

Citation (search report)
• [AD] DE 29700099 U1 19971127 - SAURER ALLMA GMBH [DE]
• [AP] WO 2007014612 A1 20070208 - SAUER GMBH & CO KG [DE], et al
• [A] EP 1416073 A2 20040506 - VOLKMANN GMBH [DE]
• [AD] DE 20209091 U1 20031016 - SAURER ALLMA GMBH [DE]

Cited by
DE102016006832A1; EP3257982A1; US11078602B2

Designated contracting state (EPC)
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Designated extension state (EPC)
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