

Title (en)

KNIFE-MOUNTING DEVICE FOR A CUTTER SHAFT

Publication

EP 0254672 A3 19880921 (DE)

Application

EP 87810209 A 19870406

Priority

CH 207486 A 19860522

Abstract (en)

[origin: EP0254672A2] The device has a hub body (4) which is screwed into the end face of the knife shaft (1) and on which there is seated an annular piston (8) which acts axially on the knives (20). A piston (6) is screwed into the hub body (4). A drive part (31) having an external hexagon (32) designed to take a spanner is connected via a torque-limiting system (41) to the piston (6). During assembly, the hub body (4) is screwed in until the annular piston (8) rests on the knives (20). When the drive part (31) rotates, the piston (6) displaces oil into the cylinder chamber (10) of the annular piston (8) so that the knives (20) are securely clamped. If a predetermined torque is exceeded, the drive part (31) continues to rotate with respect to the piston (6) by means of a torque-limiting system (41). The optimum contact-pressure force of the annular piston (8) can consequently be precisely adhered to during assembly. <IMAGE>

IPC 1-7

B02C 18/20

IPC 8 full level

B02C 18/20 (2006.01)

CPC (source: EP)

B02C 18/20 (2013.01)

Citation (search report)

- [AD] DE 2212374 A1 19730920 - HOEGGER & CIE AG GOSSAU C
- [A] US 3889490 A 19750617 - NADOLNY FELIX J
- [A] GB 1087929 A 19671018 - LANDBOUWWERKTUIGEN & MASCHF
- [A] DE 740978 C 19431102 - ZAHNRAEDERFABRIK AUGSBURG

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0254672 A2 19880127; EP 0254672 A3 19880921; EP 0254672 B1 19901128; AT E58654 T1 19901215; CH 669339 A5 19890315; DE 3766438 D1 19910110; ES 2018697 B3 19910501

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