

Title (en)
Rotating device for load pick-up means

Title (de)
Drehvorrichtung für Lastaufnahmemittel

Title (fr)
Dispositif de rotation pour moyens de prise de charge

Publication
EP 1674420 A1 20060628 (DE)

Application
EP 05028440 A 20051223

Priority
DE 202004019909 U 20041223

Abstract (en)
The rotary device comprises a rotary unit (1) that is made up of a stator (2), rotor (3) and a rotary drive (4). There is a duct (17, 18) linked to the rotor and having a first section (17) and a rigid second section (18) with a sealed channel connector (27, 31, 32) located between the two sections for throughput of compressed oil and/or electrical charge for supplying working means such as a claw, saw and pincers, as well as having a brake or blocking system (55 to 62) to intermittently adjust the rotor opposite the stator. The duct, comprising the rigid section built as a separate section in front of the stator and rotor, has a central recess (15, 16) inserted in the rotary unit. The first section of the duct may be built as a cylinder (17) whilst the second section may be built as a sleeve (18). The first section may have an axial channel (23) and the second section may have a radial channel (32), with the radial channel of the second section being connected to the axial channel of the first section by means of a plate channel (27, 31).

IPC 8 full level
B66C 3/00 (2006.01)

CPC (source: EP)
B66C 3/005 (2013.01)

Citation (applicant)
• EP 0809735 B1 19990825 - THUMM HEINZ OELHYDRAULIK [DE]
• WO 03057615 A1 20030717 - CRANAB AB [SE], et al

Citation (search report)
• [XY] WO 03057615 A1 20030717 - CRANAB AB [SE], et al
• [Y] DE 19605879 A1 19960822 - THUMM HEINZ OELHYDRAULIK [DE]
• [Y] DE 4335678 A1 19950427 - THUMM HEINZ OELHYDRAULIK [DE]
• [A] US 4239273 A 19801216 - DODEMONT GERARD P [FR], et al
• [A] EP 1437323 A1 20040714 - THUMM HEINZ OELHYDRAULIK [DE]
• [A] BE 551737 A

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SE2050350A1; SE544520C2; EP2246286A1; DE102009019660A1; WO2021201747A1; EP2327840B1

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