

Title (en)

MOTORISED ROLL FOR SUPPORTING AND DRIVING A ROTATABLE CYLINDRICAL BODY, HAVING A HORIZONTAL OR SLIGHTLY INCLINED AXIS

Publication

**EP 0000974 B1 19810902 (FR)**

Application

**EP 78200160 A 19780828**

Priority

BE 1008356 A 19770831

Abstract (en)

[origin: EP0000974A1] 1. Drive roller for supporting and driving the cylindrical sleeve of a rotary appliance with a horizontal or slightly inclined axis, said cylindrical sleeve resting on lines of drive rollers, the axis of which is parallel to the longitudinal axis of the sleeve, comprising a cylindrical spindle (2) which is mounted in a cantilever manner on a frame (1) and is surrounded by a rotary rim (10) and which encloses a motor (5), the rotary rim being driven by a flange (13) which is connected to the motor (5) and being supported on the spindle by means of a bearing, characterised in that the cylindrical spindle (2) fixed to the frame (1) is open on the frame side where the motor (5) is fixed to the spindle (2) by means of a flange (6) and is open on the cantilever side where a reduction unit (7) is fixed to the spindle (2), in that the rim (10) is supported by the spindle (2) by means of a double set of bearings and in that the flange (13) driving the rim (10) is connected to the shaft end of the reduction unit (7).

IPC 1-7

**F16C 13/04**; **B02C 17/24**

IPC 8 full level

**F16H 13/04** (2006.01); **B02C 17/24** (2006.01); **F16C 13/00** (2006.01); **F16C 13/04** (2006.01); **F16H 13/02** (2006.01); **F26B 11/02** (2006.01); **F27B 7/26** (2006.01); **H02K 7/10** (2006.01); **H02K 7/116** (2006.01); **H02K 7/14** (2006.01)

CPC (source: EP)

**B02C 17/24** (2013.01); **F16C 13/006** (2013.01); **F16C 13/04** (2013.01); **F26B 11/022** (2013.01); **F27B 7/26** (2013.01); **H02K 7/10** (2013.01); **H02K 7/116** (2013.01); **H02K 7/14** (2013.01); **F27B 2007/262** (2013.01)

Cited by

CN104500558A; EP0326876A3; WO9747407A1

Designated contracting state (EPC)

BE CH DE FR GB LU NL SE

DOCDB simple family (publication)

**FR 2402100 A1 19790330**; **FR 2402100 B1 19800222**; BE 858259 A 19780228; CA 1113535 A 19811201; DD 138570 A5 19791107; EP 0000974 A1 19790307; EP 0000974 B1 19810902; JP S5449456 A 19790418

DOCDB simple family (application)

**FR 7737597 A 19771214**; BE 1008356 A 19770831; CA 310294 A 19780830; DD 20758578 A 19780831; EP 78200160 A 19780828; JP 10086078 A 19780818