

Title (en)
SPEED VARIATOR FOR LAUNDRY WASHING MACHINE

Publication
EP 0175218 A3 19870812 (EN)

Application
EP 85111188 A 19850904

Priority
IT 4572384 A 19840918

Abstract (en)
[origin: EP0175218A2] A speed variator for a laundry washing machine comprising a drum (6) mounted in a laundering tub (5) and adapted to be rotated at different speeds by a motor (7) via a transmission belt (8) interconnecting a driving pulley (9) of the motor and a driven pulley (10) associated with the drum. The speed variator includes the driving pulley (9) which is provided with flyweights (16) housed in a cavity (15) of the pulley and radially expandable for varying the effective diameter of the pulley and thus the transmission ratio. The speed variator additionally includes a hydraulic piston (17) guided in a cylinder (18) connected to the water supply circuit of the machine via a solenoid valve (19) displacement between different operating positions, said piston cooperating with the flyweights for interdicting or permitting the radial expansion thereof to varying degrees. The internal cavity (15) of the driving pulley (9) is defined by planar or arcuate surface portions (25-29 and 31-35, respectively) interconnected by inclined ramps or arcuate transitions of different radius of curvature, respectively, permitting the flyweights (16) to radially expand to and be retained in different positions depending on the rotational speed of the driving pulley and the operating position assumed by the piston (17).

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D06F 37/36; F16H 11/06

IPC 8 full level
D06F 37/36 (2006.01)

CPC (source: EP)
D06F 37/36 (2013.01)

Citation (search report)
• [Y] FR 1238265 A 19600812 - ESSWEIN & CIE
• [Y] FR 2141229 A7 19730119 - SIEMENS AG
• [A] FR 85206 E 19650702 - THOMSON HOUSTON COMP FRANCAISE
• [APD] EP 0147625 A2 19850710 - ZANUSSI A SPA INDUSTRIE [IT]
• [A] DE 2045732 A1 19720323 - SIEMENS AG

Cited by
EP0384149A1; WO2017036371A1

Designated contracting state (EPC)
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EP 0175218 A2 19860326; EP 0175218 A3 19870812; EP 0175218 B1 19910123; AT E60379 T1 19910215; DE 3581461 D1 19910228; ES 288982 U 19860616; ES 288982 Y 19870301; IT 1181077 B 19870923; IT 8445723 A0 19840918; IT 8445723 A1 19860318

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