

Title (en)  
DRIVE FOR HOME APPLIANCE

Title (de)  
ANTRIEB FÜR HAUSHALTSGERÄT

Title (fr)  
DISPOSITIF DE COMMANDE POUR APPAREIL ÉLECTROMÉNAGER

Publication  
**EP 3175313 A1 20170607 (EN)**

Application  
**EP 14898684 A 20140729**

Priority  
IB 2014063510 W 20140729

Abstract (en)  
[origin: WO2016016685A1] A drive for a home appliance (100) comprising (a) an electric motor (150) connectable to an operating tool of said home appliance (100); (b) a power regulating element (130) energizing said motor (150); (c) a Hall sensor (140) generating an electric signal corresponding to rotating speed of said motor (150); and (d) a PID controlled (120) preprogrammed to receive electric signals from said Hall sensor (140) and generating a PID output applicable to said regulating element (130) such that a predetermined rotating speed is maintained constant. The PID output is computed according to the following equation: Formula (I), where e k is a present sample, e k-1 is a previous sample, e k-2 is a last previous sample; X is in a range between 1.5 and 2, Y between 1 and 3, Z between 1 and 3.

IPC 8 full level  
**G05D 13/60** (2006.01)

CPC (source: EP)  
**G05B 11/42** (2013.01); **H02P 7/2805** (2013.01); **H02P 7/295** (2013.01); **H02P 2205/07** (2013.01)

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