

Title (en)
Tubular motor reducer for the handling of winding roller shutters and sunblinds

Title (de)
Rohrförmiger Motor für Rolladen und Stores

Title (fr)
Moteur tubulaire pour volets roulants et stores

Publication
EP 0976909 A2 20000202 (EN)

Application
EP 99830127 A 19990309

Priority
IT AN980012 U 19980312

Abstract (en)
This invention relates to a tubular motor reducer for the handling of winding roller shutters or sunblinds comprising a mechanic device incorporated in the epicyclic reduction gear (3a,3b,3c) used to prevent motion reversibility. <IMAGE>

IPC 1-7
E06B 9/72

IPC 8 full level
E06B 9/68 (2006.01)

CPC (source: EP)
E06B 9/68 (2013.01); **E06B 2009/725** (2013.01); **E06B 2009/905** (2013.01)

Cited by
EP2267330A1; CN105386710A; CN105356661A; EP1498570A1; CN109312597A; ITUA20164505A1; AU2003302710B2; CN103746510A; ITUA20164507A1; GB2394754A; GB2394754B; EP3219900A1; US7100668B2; US8604736B2; DE202007013331U1; US10344532B2; FR2880740A1; FR2946997A1; CN101929303A; KR100391119B1; CN105556166A; JP2016534263A; EP3219901A1; US2018202226A1; US10704325B2; WO2007069288A3; WO2017221087A1; WO2006075222A1; WO2017178654A1; US11292048B2; WO2015140433A1; US10233691B2; US7234503B2; WO2004051047A1; EP2230415A1; US8253288B2; US7564203B2

Designated contracting state (EPC)
AT BE DE ES FR GB GR IT NL PT SE

DOCDB simple family (publication)
EP 0976909 A2 20000202; EP 0976909 A3 20000726; EP 0976909 B1 20040811; AT E273438 T1 20040815; DE 69919277 D1 20040916; DE 69919277 T2 20050804; ES 2227997 T3 20050401; IT 244838 Y1 20020314; IT AN980012 U1 19990912; IT AN980012 V0 19980312; PT 976909 E 20041231

DOCDB simple family (application)
EP 99830127 A 19990309; AT 99830127 T 19990309; DE 69919277 T 19990309; ES 99830127 T 19990309; IT AN980012 U 19980312; PT 99830127 T 19990309