Title (en)
　　Automatic spindle locking mechanism

Title (de)
　　Automatische Spindelarretierung

Title (fr)
　　Dispositif de verrouillage automatique pour une broche

Publication
　　EP 0982103 B1 20010711 (DE)

Application
　　EP 98116378 A 19980828

Priority
　　EP 98116378 A 19980828

Abstract (en)
　　[origin: JP2000071180A] PROBLEM TO BE SOLVED: To improve an automatic spindle damping device for a hand tool in order that it may simply be manufactured with a small number of parts, may hardly fail and may become resistant to wear. SOLUTION: This automatic spindle damping device has a latch part 50 connected against relative rotation to a spindle 20 or a housing 10 and connectable to at least one damping part 40, which is connected against relative rotation to the housing 10 or the spindle 20, in two directions or along and counter to the rotation of the spindle 20 and a drive part 34 coaxial with the spindle 20 and including a release element for disconnecting the latch part 50 and the damping part 40 from each other and for defining a control passage within the drive part 34. On rotation of the drive part 34, a control cam on the latch part 50 slides on the drive part 34 to cause axial shift of the latch part 50 and/or the damping part 40 to disconnect them from each other.

IPC 1-7
　　B25F 5/00; B23B 45/00

IPC 8 full level
　　B25F 5/00 (2006.01)

CPC (source: EP US)
　　B25F 5/001 (2013.01 - EP US); Y10T 408/95 (2015.01 - EP US); Y10T 409/309352 (2015.01 - EP US); Y10T 409/309408 (2015.01 - EP US)

Cited by
　　CN104411472A; US9855649B2; US7066691B2; DE102012218850A1; WO2009146872A1; WO2014005768A1

Designated contracting state (EPC)
　　CH DE FR GB IT LI

DOCDB simple family (publication)
　　EP 0982103 A1 20000301; **EP 0982103 B1 20010711**; DE 59801010 D1 20010816; HK 1029305 A1 20010330; JP 2000071180 A 20000307; US 6213695 B1 20010410

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