

Title (en)
Roman blind without any pull rope

Title (de)
Raffrollo ohne Zugschnur

Title (fr)
Rideau plissé sans cordon de tirage

Publication
EP 1696098 A1 20060830 (EN)

Application
EP 05001564 A 20050126

Priority
EP 05001564 A 20050126

Abstract (en)
A Roman blind without any pull rope includes an upper case, a blind cloth, and at least an elastic device. The upper case has a winding shaft in its interior for winding plural ropes attached on an inner surface of the blind cloth for pushing up and down for expanding or shrinking. The elastic device is deposited in the upper case, consisting of a housing and a spring fixed in the housing, a first bevel gear with a shaft and a second bevel gear with a shaft. The first and the second bevel gear engage with each other, and the elasticity of the spring is transmitted orderly to the second bevel gear, the first bevel gear, and to the winding shaft so as to pull up or lower down the blind cloth without necessity of pull ropes. The elasticity of the spring can balance the weight of the blind cloth for keeping the blind cloth stopped at one of many vertical locations.

IPC 8 full level
E06B 9/262 (2006.01); **E06B 9/322** (2006.01); **E06B 9/60** (2006.01)

CPC (source: EP)
E06B 9/262 (2013.01); **E06B 9/322** (2013.01); **E06B 9/60** (2013.01); **E06B 2009/2622** (2013.01)

Citation (search report)
• [Y] US 6283192 B1 20010904 - TOTI ANDREW J [US]
• [Y] US 6761203 B1 20040713 - HUANG TAI-LONG [TW]
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Cited by
EP1918504A1; EP1961908A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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EP 05001564 A 20050126