

Title (en)
OVERHEAD GARAGE DOOR

Publication
EP 0171797 B1 19880713 (DE)

Application
EP 85110167 A 19850813

Priority
DE 3429920 A 19840814

Abstract (en)
[origin: EP0171797A2] 1. Overhead garage door for a garage or garage box accommodating one or two passenger cars, with a lifting linkage for the door wing which enables the latter to be held in a vertical closed position and in a generally horizontal opened position, and which comprises, on each side of the door wing, a two-armed pivoting lever rotatably supported by the door frame, at least one weight compensating stretched tension spring unit, which is, at its lower portion, attached to the door frame, being connected with the arm of force of the respective lever, and each unit consisting of at least three individual tension springs (6) which, at each of their upper and lower ends, are hooked into a single carrier (5, 7), and in which the carrier is itself connected to the arm of force (2) of the lever arm (1) and the door frame (10), respectively, characterized in that the carrier (5, 7) is in the form of a dish, and that the tension springs (6) are hooked in along a circle concentric with its centre through which the line of force passes.

IPC 1-7
E05F 1/08; **E05D 15/40**

IPC 8 full level
E05D 15/40 (2006.01); **E05D 15/42** (2006.01); **E05F 1/08** (2006.01); **E05F 1/10** (2006.01); **F16F 1/12** (2006.01)

CPC (source: EP)
E05D 13/1215 (2013.01); **E05D 15/425** (2013.01); **E05Y 2201/488** (2013.01); **E05Y 2201/499** (2024.05); **E05Y 2800/21** (2013.01); **E05Y 2900/106** (2013.01)

Cited by
AU2008202830B2; DE19648882A1; EP0410477A3; GB2304377A; GB2304377B; WO9209777A1

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