

Title (en)  
HINGE ASSEMBLY AND VEHICLE INCLUDING SAME

Publication  
**EP 0000277 B1 19810429 (EN)**

Application  
**EP 78300085 A 19780627**

Priority  
US 81140877 A 19770629

Abstract (en)  
[origin: US4134179A] {PG,1 A hinge assembly for the hood of a vehicle engine compartment which applies a spring force to counterbalance the weight of the hood so that the hood moves to an initial open position without the assistance of manual effort and can be moved from the initially open position through an arc greater than 90 degrees with a substantially constant manual force.

IPC 1-7  
**E05F 1/12**

IPC 8 full level  
**E05F 1/12** (2006.01)

CPC (source: EP US)  
**E05F 1/1276** (2013.01 - EP US); **E05Y 2900/50** (2013.01 - EP US); **Y10S 292/14** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0000277 A1 19790110; EP 0000277 B1 19810429**; BR 7803961 A 19790116; CA 1084555 A 19800826; DE 2860641 D1 19810806; ES 471242 A1 19791001; IT 1096031 B 19850817; IT 7824928 A0 19780623; US 4134179 A 19790116

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**EP 78300085 A 19780627**; BR 7803961 A 19780621; CA 301278 A 19780417; DE 2860641 T 19780627; ES 471242 A 19780628; IT 2492878 A 19780623; US 81140877 A 19770629