

Title (en)  
Hinge assembly for a vehicle door wing

Title (de)  
Scharniereinrichtung für Türflügel eines Kraftfahrzeuges

Title (fr)  
Ensemble charnière pour porte battante de véhicule automobile

Publication  
**EP 1126116 A1 20010822 (FR)**

Application  
**EP 01400380 A 20010213**

Priority  
FR 0001856 A 20000215

Abstract (en)  
[origin: US2001013155A1] Hinge assembly for a swinging door of a motor vehicle The invention relates to a hinge assembly for a motor vehicle door (12) with a built-in door stop. It comprises a fixed knuckle (1), comprising a first part (2) which has a drilling (3, 4) allowing it to be attached to the bodywork (5) of the said vehicle, and a second part (6) perpendicular to the said first part (2), comprising a drilling (7) to accommodate the pin (8) about which the hinge pivots; a moving knuckle (9), comprising a drilling (10, 11) allowing it to be attached to the said door (12) and comprising two approximately horizontal flat zones (13, 14), each provided with a drilling (15, 16) to take the hinge pin (8) and each comprising a notched cam (17, 18); two pressing rollers (22, 23) kept in contact with a cam (17, 18) of the moving knuckle (9); a spring (19) held in the said fixed knuckle (1) and having two vertical branches (20, 21) inserted in the said rollers (22, 23) and working in bending, causing the said rollers (22, 23) to exert pressure on the said cams (17, 18); and a hinge pin (8) articulating the moving knuckle (9) to the fixed knuckle (1).

Abstract (fr)  
L'invention concerne un ensemble charnière pour porte (12) de véhicule avec arrêt de porte intégré. Il comprend un charnon fixe (1), comportant une première partie (2), munie d'un perçage (3, 4) permettant sa fixation sur la carrosserie (5) dudit véhicule, et une seconde partie (6) perpendiculaire à ladite première partie (2), comportant un perçage (7) pour recevoir l'axe de rotation (8) de la charnière ; un charnon mobile (9), comportant un perçage (10, 11) permettant sa fixation à ladite porte (12) et comportant deux zones planes (13, 14) sensiblement horizontales, pourvues chacune d'un perçage (15, 16) pour recevoir l'axe de rotation (8) de la charnière et comportant chacune une came crantée (17, 18) ; deux galets d'appui (22, 23) maintenus au contact d'une came (17, 18) du charnon mobile (9) ; un ressort (19) maintenu dans ledit charnon fixe (1) et comportant deux branches verticales (20, 21) insérées dans lesdits galets (22, 23), et travaillant en flexion faisant exercer par lesdits galets (22, 23) une pression contre lesdites comes (17, 18) ; et un axe de rotation (8) permettant l'articulation du charnon mobile (9) sur le charnon fixe (1). <IMAGE>

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Citation (search report)  
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