

Title (en)  
SHAVER AND BLADE FLOATING STRUCTURE

Title (de)  
RASIERAPPARAT UND KLINGENSCHWIMMSTRUKTUR

Title (fr)  
RASOIR ET STRUCTURE FLOTTANTE DE LAME

Publication  
**EP 3827939 B1 20240508 (EN)**

Application  
**EP 18927498 A 20180725**

Priority  
CN 2018097052 W 20180725

Abstract (en)  
[origin: EP3827939A1] A floating rotating structure and personal care device, massager, the floating rotating structure comprises a first hinge, the first hinge (500) has a penetrating first matching groove(510); a second hinge (600), the top of the second hinge has a matching portion(610), and a limiting structure (220) provided between the first matching groove (510) and the matching portion (610) for preventing relative rotation is separable along the central axis of the first matching groove (510), the matching portion (610) is provided with a first central hole that penetrates to the bottom of the second hinge; an elastic member (800), the elastic member penetrates the first matching groove (510) and the first central hole of the second hinge (600), and the two ends of the elastic member (800) can be respectively pressed against the two external components connected to the first hinge (500) and the second hinge (600) respectively. In the above structure, when the external force is applied, the limiting structure separates, and the elastic member is compressed so that the first hinge (500) drives the external components to rotate by 360°. When the external force is reduced, the elastic member elastically returns to move upwards, thereby achieving up and down floating.

IPC 8 full level  
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EP 0757613 B1 20011212 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

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