

Title (en)  
SELF-OPENING CLOSURE WITH OPTIMIZED FORCE TRANSMISSION

Title (de)  
SELBSTÖFFNERVERSCHLUSS MIT OPTIMIERTER KRAFTÜBERTRAGUNG

Title (fr)  
FERMETURE À OUVERTURE AUTOMATIQUE À TRANSMISSION DE FORCE OPTIMISÉE

Publication  
**EP 3060490 A1 20160831 (DE)**

Application  
**EP 14771563 A 20140919**

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Abstract (en)  
[origin: WO2015058912A1] The invention relates to a self-opening closure with a pouring spout (12), a self-opening sleeve (20) which is guided in the connector in a helical manner, and a cover (30) which covers the pouring spout (12). A driver cam (24) is formed on the self-opening sleeve, said driver cam defining a guide surface (241). The cover has a driver (34) which defines a front edge (341). The front edge interacts with the guide surface of the driver cam. The front edge and the guide surface are inclined by the same angle of inclination relative to the longitudinal axis in order to allow an optimal force transmission between the cover and the self-opening sleeve. Additionally, the guide surface can be designed in a concave manner, and the front edge of the driver can be rounded in a corresponding manner in order to prevent a radial deflection of the driver towards the inside.

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Citation (search report)  
See references of WO 2015058912A1

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