

Title (en)  
MISSILE RUDDER SYSTEM

Title (de)  
FLUGKÖRPERRUDERSYSTEM

Title (fr)  
GOUVERNE DE MISSILE

Publication  
**EP 3086078 B1 20180606 (DE)**

Application  
**EP 16000795 A 20160407**

Priority  
DE 102015005135 A 20150422

Abstract (en)  
[origin: US2017343327A1] A system of missile control surfaces includes a control surface housing, a control surface shaft which is rotatably mounted in the control surface housing, a control surface secured on the control surface shaft, a control surface drive and a coupling unit. The coupling unit couples the control surface drive to the control surface shaft in such a way that a movement of the control surface drive produces a rotation of the control surface shaft. To enable high forces to be applied reliably to a guided missile control surface, it is proposed that the coupling unit has at least one flexible tension element, which is secured on the control surface drive and is rolled up onto the control surface shaft to a certain extent.

IPC 8 full level  
**F42B 10/64** (2006.01); **F16H 19/06** (2006.01)

CPC (source: EP US)  
**F42B 10/64** (2013.01 - EP US)

Cited by  
US11326628B2; EP3835201A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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