

Title (en)  
TWO-STAGE CLUTCH

Title (de)  
ZWEISTUFENKUPPLUNG

Title (fr)  
EMBRAYAGE À DEUX ÉTAGES

Publication  
**EP 2994660 A1 20160316 (DE)**

Application  
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Abstract (en)  
[origin: WO2014180479A1] The invention relates to a two-stage clutch for detachably connecting an input shaft to at least one output shaft, comprising a clutch cover, a clutch basket, and a plurality of sub-clutches, wherein the sub-clutches are connected in series. A first sub-clutch is a pilot clutch that can be actively shifted. A second sub-clutch is a main clutch, which can be shifted by the pilot clutch, wherein a shifting force for the main clutch is produced by means of a torque transmitted by a shaft. In said two-stage clutch, the clutch cover can be rigidly connected to the clutch basket. High torques can be transmitted by means of the two-stage clutch proposed here despite low external shifting forces. At the same time, the construction and the assembly are significantly simplified despite the high level of complexity of the two-stage clutch, and the two-stage clutch has a significantly reduced rotating mass.

IPC 8 full level  
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