

Title (en)  
DISABLING CIRCUIT IN STEAM TURBINES FOR SHUTTING OFF SATURATED STEAM

Title (de)  
SPERRSCHALTUNG BEI DAMPFTURBINEN ZUR NASSDAMPFABSPERRUNG

Title (fr)  
CIRCUIT D'ARRÊT DE TURBINES À VAPEUR POUR ARRÊTER LA VAPEUR HUMIDE

Publication  
**EP 2601382 B1 20140813 (DE)**

Application  
**EP 11761538 A 20110914**

Priority  

- EP 10177090 A 20100916
- EP 2011065909 W 20110914
- EP 11761538 A 20110914

Abstract (en)  
[origin: EP2431570A1] The steam turbine has a high pressure flow channel arranged between a rotatably supported rotor (4) and an inner housing (9), and a shear force compensation piston pipeline (24) leading to a shear force compensation piston pre-chamber (15). A wet steam pipeline (19) produces flow-guiding connection between a slotted chamber (13) and a compression chamber, where the slotted chamber is arranged between the rotor and the housing. The rotor has a shear force compensation piston (14) for compensating shear force of the rotor produced during operation of the turbine.

IPC 8 full level  
**F01D 3/04** (2006.01)

CPC (source: EP US)  
**F01D 3/04** (2013.01 - EP US); **F01D 25/007** (2013.01 - US); **F01D 25/24** (2013.01 - US); **F01D 3/02** (2013.01 - US); **F05D 2220/31** (2013.01 - EP US); **F05D 2260/608** (2013.01 - EP US); **F05D 2260/95** (2013.01 - EP US)

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