

Title (en)  
System for dumping hydraulic pressure to turbine inlet valves in case of overspeed

Title (de)  
Schnellentleerungsvorrichtung für Hochdrucköl eines Dampfturbineneinlassventils bei Überdrehzahl

Title (fr)  
Dispositif pour provoquer la chute de pression de l'huile haute pression de commande des soupapes d'admission d'une turbine en cas de survitesse

Publication  
**EP 0533535 B1 19970102 (FR)**

Application  
**EP 92402473 A 19920910**

Priority  
FR 9111509 A 19910918

Abstract (en)  
[origin: EP0533535A1] The device comprises an overspeed trigger (2) secured to the shaft (1) of the turbine and fed, downstream of a restriction (5), with low-pressure oil via the oil lubrication circuit of the turbine, characterised in that it comprises a hydrovalve (9) comprising a body (23) containing a blocking shutter (24) for a discharge orifice (12) connected to the high-pressure oil circuit, the locking shutter (24) being connected to a plate (25) separating the inside of the hydrovalve body (9), in a sealed fashion, into two compartments one (11) of which is located on the discharge orifice side (12) and comprising an evacuation orifice (37) and the other of which, called the second compartment (8), is supplied, downstream of a restriction (5), by a feed orifice (7), with oil from the low-pressure circuit, the second compartment (8) being further connected to the overspeed trigger (2), and in that the moving part (10) consisting of the blocking shutter (24) and the plate (25) is axially guided by guide means (27, 28, 29), the moving part being further subjected to an elastic force (33) in the direction for freeing the shutter (4) from the discharge orifice (12). <IMAGE>

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**F01D 21/18**

IPC 8 full level  
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CPC (source: EP US)  
**F01D 21/18** (2013.01 - EP US); **Y10T 137/1135** (2015.04 - EP US); **Y10T 137/1171** (2015.04 - EP US)

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**EP 0533535 A1 19930324; EP 0533535 B1 19970102**; AT E147132 T1 19970115; DE 69216336 D1 19970213; DE 69216336 T2 19970424; DK 0533535 T3 19970317; ES 2095433 T3 19970216; FR 2681375 A1 19930319; FR 2681375 B1 19950120; GR 3022843 T3 19970630; JP H05214902 A 19930824; US 5244005 A 19930914

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