

Title (en)

APPARATUS FOR CONTROLLING A HYDRAULIC MACHINE

Title (de)

VORRICHTUNG ZUM REGELN EINER HYDRAULISCHEN MASCHINE

Title (fr)

DISPOSITIF DE RÉGULATION D'UNE MACHINE HYDRAULIQUE

Publication

**EP 3601805 B1 20210106 (DE)**

Application

**EP 18705117 A 20180208**

Priority

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- EP 2018053139 W 20180208

Abstract (en)

[origin: CA3058354A1] Apparatus for controlling a hydraulic machine, e.g. a turbine, a pump or a pump-turbine, using constant-displacement pumps that are driven at variable rotational speeds, said apparatus comprising a device for performing an emergency closure, the device being characterized by low energy consumption and high efficiency while ensuring that all operation-relevant and safety-relevant requirements of a hydraulic machine are met.

IPC 8 full level

**F15B 11/08** (2006.01); **F15B 11/17** (2006.01)

CPC (source: EP US)

**F15B 1/022** (2013.01 - US); **F15B 11/003** (2013.01 - US); **F15B 11/17** (2013.01 - EP US); **F15B 20/00** (2013.01 - US); **F15B 2211/20515** (2013.01 - EP US); **F15B 2211/20538** (2013.01 - EP); **F15B 2211/20546** (2013.01 - US); **F15B 2211/20561** (2013.01 - EP US); **F15B 2211/20576** (2013.01 - EP US); **F15B 2211/212** (2013.01 - EP US); **F15B 2211/27** (2013.01 - EP US); **F15B 2211/30505** (2013.01 - EP); **F15B 2211/30515** (2013.01 - EP US); **F15B 2211/3057** (2013.01 - EP US); **F15B 2211/3138** (2013.01 - EP); **F15B 2211/31535** (2013.01 - EP); **F15B 2211/31576** (2013.01 - EP); **F15B 2211/322** (2013.01 - US); **F15B 2211/327** (2013.01 - EP); **F15B 2211/40507** (2013.01 - EP US); **F15B 2211/41572** (2013.01 - EP US); **F15B 2211/41581** (2013.01 - EP); **F15B 2211/625** (2013.01 - EP US); **F15B 2211/6355** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP); **F15B 2211/7054** (2013.01 - EP); **F15B 2211/8752** (2013.01 - EP US); **F15B 2211/8755** (2013.01 - EP US)

Designated contracting state (EPC)

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