

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 A1 20200205 (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);
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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)

Citation (search report)
See references of WO 2018177640A1

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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DE 102017106693 B3 20180530; CA 3058354 A1 20181004; CN 110446859 A 20191112; CN 110446859 B 20200828;
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