

Title (en)
TEMPERATURE-CONTROLLED CENTRIFUGE

Title (de)
TEMPERIERTE ZENTRIFUGE

Title (fr)
CENTRIFUGEUSE À TEMPÉRATURE CONTRÔLÉE

Publication
EP 3727701 A1 20201028 (DE)

Application
EP 18815977 A 20181203

Priority
• DE 102017130785 A 20171220
• EP 2018083335 W 20181203

Abstract (en)
[origin: WO2019120967A1] The invention relates to a centrifuge (10) and to a method for preventing ignition of combustible temperature control media in centrifuges (10) after a crash of the centrifuge rotor, wherein ignition is prevented by releasing a protective gas in the case of a crash. More precisely, the released protective gas forms a flow which displaces the oxygen, distributes the exiting temperature control medium and fundamentally changes the current ratio of the concentration of oxygen to temperature control medium such that both inside and outside the centrifuge (10) no ignition can take place. As a result, even combustible temperature control media can be used without safety concerns in the context of temperature control of centrifuges (10).

IPC 8 full level
B04B 15/02 (2006.01); **B04B 7/06** (2006.01)

CPC (source: EP US)
B04B 7/06 (2013.01 - EP US); **B04B 15/02** (2013.01 - EP US); **B04B 2007/065** (2013.01 - US)

Citation (search report)
See references of WO 2019120967A1

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EP 3727701 B1 20220309; JP 2021506582 A 20210222; JP 7196180 B2 20221226; US 11577257 B2 20230214; US 2021001352 A1 20210107;
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