Title (en)

CRYOSTAT

Title (de)

KRYOSTAT

Title (fr)

CRYOSTAT

Publication

**EP 3938721 A1 20220119 (DE)**

Application

**EP 20711533 A 20200306**

Priority

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Abstract (en)

[origin: WO2020182671A1] The present document specifies a cryostat for experiments in the region of below 2K, which permits improved accessibility for the experimentation places (4-i) and at the same time a smaller construction volume. By virtue of the fact that the experimentation places (4-i) are arranged next to one another instead of one below the other, after removal of the respective heat shields (32-i) these places are accessible from above and from the side, whereas in the prior art they are accessible only from the side. This simplifies various experiments and more generally the handling of the cryostat during use. The side-by-side arrangement of the experimentation places also substantially reduces the construction height of the cryostat, and it is possible to operate the cryostat in standard-height laboratory spaces, which is not possible with cryostats having a vertically suspended arrangement. Although the side-by-side arrangement of the experimentation places can lead to heat shields having a larger surface area, this drawback (increased cooling power from the various coolers being necessary for operation) can be compensated for by the possibility of use in standard-height laboratory spaces.

IPC 8 full level

**F25D 19/00** (2006.01); **F25B 9/02** (2006.01); **F25B 9/10** (2006.01); **F25B 9/12** (2006.01); **F25B 9/14** (2006.01)

CPC (source: EP US)

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BA ME

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