

Title (en)

TRACE HEATING SYSTEM FOR A FLUID FLOW MACHINE

Title (de)

BEGLEITHEIZUNGSSYSTEM FÜR EINE FLUIDSTRÖMUNGSMASCHINE

Title (fr)

SYSTÈME DE CHAUFFAGE DE TRACE POUR UNE MACHINE D'ÉCOULEMENT DE FLUIDE

Publication

**EP 3598845 A1 20200122 (EN)**

Application

**EP 18186484 A 20180731**

Priority

US 201862700346 P 20180719

Abstract (en)

The invention relates to a trace heating system (10) for a fluid flow machine (2), the fluid flow machine (2) having an outer casing (4) and an inner casing (6), comprising: at least one mineral insulated cable (12, 14) extending inside the outer casing (4), at least cable without mineral insulation (16), the cable extending at least partially outside the outer casing (4) and a joint (20) between the mineral insulated cable (12, 14) and the cable without mineral insulation (16). The joint (20) is designed as high temperature resistant electrical joint (20) by sealing a welding joint (22) using insulating ceramic material. The invention enables the use of a more flexible cable without mineral insulation (16), which is led out of the outer casing (4).

IPC 8 full level

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CPC (source: EP)

**H05B 3/08** (2013.01); **H05B 3/56** (2013.01); **H05B 2203/021** (2013.01); **H05B 2203/022** (2013.01)

Citation (search report)

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- [Y] US 2016134047 A1 20160512 - NISHIKAWA TAKETO [JP], et al
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