

Title (en)
ELECTRICAL CONTINUOUS-FLOW HEATER

Publication
EP 0281995 A3 19900704 (DE)

Application
EP 88103596 A 19880308

Priority
DE 3707967 A 19870312

Abstract (en)
[origin: EP0281995A2] An electrical continuous-flow heater, particularly for connection to a three-phase supply. Such a continuous-flow heater is fitted with a multi-pin functional switching-contact device, which closes the heating circuit at the start of the engagement process, and a safety switching device which interrupts all the pins of the heating circuit. In order to reduce the design complexity for both switching devices, the functional switching-contact device (3) and the safety switching device (12) are combined into a single switching or structural unit, a common double snap-spring contact arrangement being provided for both switching devices. This measure permits a compact, space-saving design of the two switching devices which are used for connecting the heating circuit of a continuous-flow heater to a three-phase supply. <IMAGE>

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H01H 37/00; **F24H 9/20**; **H01H 35/24**

IPC 8 full level
F24H 9/20 (2006.01); **H01H 35/24** (2006.01); **H01H 37/00** (2006.01); **H01H 5/18** (2006.01); **H01H 9/00** (2006.01)

CPC (source: EP US)
F24H 9/2028 (2013.01 - EP US); **H01H 35/24** (2013.01 - EP); **H01H 37/002** (2013.01 - EP); **H01H 5/18** (2013.01 - EP); **H01H 9/0072** (2013.01 - EP)

Citation (search report)
• [Y] DE 1020130 B 19571128 - ECKERFELD ALFRED
• [YD] DE 1179314 B 19641008 - LICENTIA GMBH
• [A] CH 371532 A 19630831 - ECKERFELD ALFRED [DE]
• [A] FR 1488362 A 19670713 - COTHERM SA
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