

Title (en)
HEATING UNIT AND HEATING MODULE COMPRISING SAME

Title (de)
HEIZEINHEIT UND HEIZMODUL DAMIT

Title (fr)
UNITÉ DE CHAUFFAGE ET MODULE DE CHAUFFAGE LA COMPRENANT

Publication
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Application
EP 18730208 A 20180312

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Abstract (en)
[origin: EP3468300A1] A heat unit according to an embodiment of the present invention includes a conductor configured to cause electricity to flow therethrough in a lengthwise direction, and a heating element configured to generate heat from the electricity transferred thereto from the conductor. The heating element surrounds the conductor in the lengthwise direction to prevent occurrence of electric shock.

IPC 8 full level
H05B 3/56 (2006.01); **G05D 23/22** (2006.01); **H05B 1/02** (2006.01); **H05B 3/14** (2006.01); **H05B 3/34** (2006.01)

CPC (source: EP)
H05B 3/145 (2013.01); **H05B 3/347** (2013.01); **H05B 3/56** (2013.01)

Citation (search report)

- [XAI] EP 0809417 A2 19971126 - SUNBEAM PRODUCTS INC [US]
- [XAI] US 2002117495 A1 20020829 - KOCHMAN ARKADY [US], et al
- [XAI] WO 2011098291 A1 20110818 - ARTS [FR], et al
- [XAI] US 4575620 A 19860311 - ISHII KAZUNORI [JP], et al
- [XAI] EP 0143118 A1 19850605 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- See references of WO 2019031673A1

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