

Title (en)
AN IMPROVED ELECTRIC BOILER

Title (de)
VERBESSERTER ELEKTRISCHER KESSEL

Title (fr)
CHAUDIERE AMELIOREE

Publication
EP 1687574 A1 20060809 (EN)

Application
EP 04791618 A 20041029

Priority
• GB 2004004581 W 20041029
• GB 0325399 A 20031031

Abstract (en)
[origin: WO2005045327A1] An electric boiler has a heat exchange unit (10) in which a heat transfer medium, usually water, is heated. Energy for the heating is through heating elements (13), whose activation is governed by a control means (14) operating on switches. The switches are either electromechanical, triacs or a combination thereof. The heating elements (13) comprise elements of at least two different power ratings, with elements of the same rating being combined together in a bank. The activation sequence of the heating elements (13) is controlled to minimise the sudden increased load applied to the power supply of the premises on which the boiler is located. In order to reduce the risk of excess heat being applied, the elements can be activated by a burst firing sequence in which power is supplied to the element for only a short period of time.

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F24H 9/20 (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2005045327A1

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