

Title (en)
HEATER BUNDLES WITH LOCAL POWER SWITCHING

Title (de)
HEIZBÜNDEL MIT LOKALER LEISTUNGSSCHALTUNG

Title (fr)
CHAUFFAGE SANS GAINÉ AVEC COMMUTATION DE PUISSANCE LOCALE

Publication
EP 4057775 A2 20220914 (EN)

Application
EP 22161471 A 20220310

Priority
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Abstract (en)
A heater system (10) includes a heater bundle. The heater bundle includes at least one heater assembly, where the heater assembly includes a plurality of heater units (52), and more than one of the heater units (52) defines at least one independently controlled heating zone. The heater bundle includes a plurality of power conductors (56) electrically connected to the independently controlled heating zone. The heater system (10) includes means for determining temperature and at least one power switch (120), the power switch (120) disposed proximate the heater bundle. The heater system (10) includes at least one controller (15) configured to modulate power to the independently controlled heating zones (62) through the power conductors (56) based on the determined temperature to provide a desired power output along a length of the heater assembly. The controller is configured to provide power to the power switch (120).

IPC 8 full level
H05B 1/02 (2006.01); **H05B 3/48** (2006.01)

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Citation (applicant)
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