

Title (en)

HEATER BUNDLES HAVING VARIABLE POWER OUTPUT WITHIN ZONES

Title (de)

HEIZBÜNDEL, DIE VARIABLE LEISTUNGSABGABE INNERHALB VON ZONEN AUFWEISEN

Title (fr)

FAISCEAUX DE CHAUFFAGE DOTÉS D'UNE SORTIE DE PUISSANCE VARIABLE À L'INTÉRIEUR DES ZONES

Publication

EP 4057774 A2 20220914 (EN)

Application

EP 22161468 A 20220310

Priority

US 202117197525 A 20210310

Abstract (en)

A heater system (10) includes a heater bundle (12) with heater assemblies (18), at least one of the heater assemblies (18) having a plurality of heater units, at least one heater unit having an independently controlled heating zone, and the at least one heater assembly (18) having a physical construction configured to deliver a variable power output per unit length along a length of the at least one heater assembly (18). A plurality of power conductors are electrically connected to the plurality of heater units and the heater system (10) further includes a means for determining temperature. A power supply device (14) includes a controller (15) configured to modulate power to the independently controlled heating zone through the power conductors based on the determined temperature to provide a desired power output along a length of the at least one heater assembly (18).

IPC 8 full level

H05B 1/02 (2006.01); **H05B 3/48** (2006.01)

CPC (source: CN EP KR)

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Citation (applicant)

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BA ME

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