

Title (en)
Roadpaver and heating unit

Title (de)
Strassenfertiger und Heizelement

Title (fr)
Finisseur et élément chauffant

Publication
EP 1431460 A1 20040623 (DE)

Application
EP 03025449 A 20031105

Priority
DE 20219641 U 20021218

Abstract (en)
The road finisher comprises a working component which is heated by a heating element (H). Heat is provided on the intermediate member which is located in the heating area between the heating element and the working component (101). The heating element is laminar, and a heating coil is provided which is a spiral heater around the laminar base. The heating element may be supplied with a three-phase current by a three-phase generator (115). The heating element has a length of about 0.9 to 1.2 m and a width of about 50 to 100 mm, and is designed for a power input between 500 and 1000 Watts, preferably 600 Watts.

Abstract (de)
Bei einem Straßenfertiger (F) mit einer mittels eines elektrischen Heizelements (H) beheizten Arbeitskomponente, bei dem das Heizelement (H) wärmeübertragend an einem Heizbereich der Arbeitskomponente festgelegt ist, und wenigstens eine Heizwendel enthält, ist das Heizelement (H) flächig ausgebildet und die Heizwendel wenigstens ein spiralförmig um flächiges Trägermaterial (M) gewickelter Heizleiter (L), wobei die Umrissform des Trägermaterials (M) und/oder die Windungsdichte oder der Windungsverlauf des Heizleiters (L) an ein vorbestimmtes Heizbild im Heizbereich angepasst ist. <IMAGE>

IPC 1-7
E01C 19/40; H05B 3/46

IPC 8 full level
E01C 19/48 (2006.01)

CPC (source: EP US)
E01C 19/48 (2013.01 - EP US); **E01C 2301/10** (2013.01 - EP US)

Citation (applicant)
• US 6318928 B1 20011120 - SWEARINGEN DAVID [US]
• DE 460333 C 19280526 - SIEMENS ELEKTROWAERME GMBH

Citation (search report)
• [DYA] US 6318928 B1 20011120 - SWEARINGEN DAVID [US]
• [DYA] DE 460333 C 19280526 - SIEMENS ELEKTROWAERME GMBH

Cited by
CN102080351A; DE102004007088A1; CN105339552A; WO2011124152A1

Designated contracting state (EPC)
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DE 20219641 U1 20030227; DE 50310505 D1 20081030; EP 1431460 A1 20040623; EP 1431460 B1 20080917; US 2004144765 A1 20040729; US 6963050 B2 20051108

DOCDB simple family (application)
DE 20219641 U 20021218; DE 50310505 T 20031105; EP 03025449 A 20031105; US 73459803 A 20031212