

Title (en)

Improved heat transfer surface.

Title (de)

Verbesserte Wärmeübertragungsfläche.

Title (fr)

Surface d'échange de chaleur améliorée.

Publication

EP 0485194 B1 19940302 (EN)

Application

EP 91310265 A 19911106

Priority

GB 9024056 A 19901106

Abstract (en)

[origin: EP0485194A1] A heat transfer element for boiling a liquid, particularly a refrigerant, comprises a substrate (2) having a surface coating (8) formed by spraying a mixture of metal particles e.g. as a plasma, and porous carbon particles such that the carbon particles become embedded in a matrix of metal particles attached to the substrate. Preferably the carbon is active carbon and the metal is aluminium. <IMAGE>

IPC 1-7

F28F 13/18; **C23C 4/06**; **C23C 4/18**

IPC 8 full level

C23C 4/06 (2006.01); **C23C 4/18** (2006.01); **F28F 13/18** (2006.01)

CPC (source: EP)

C23C 4/067 (2016.01); **C23C 4/18** (2013.01); **F28F 13/187** (2013.01)

Cited by

US5482744A; EP0922784A4

Designated contracting state (EPC)

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EP 0485194 A1 19920513; **EP 0485194 B1 19940302**; AT E102338 T1 19940315; DE 69101298 D1 19940407; DE 69101298 T2 19940609; GB 2251363 A 19920701; GB 2251363 B 19940525; GB 9024056 D0 19901219; GB 9123544 D0 19920102

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