

Title (en)
Improvements in or relating to the heating of substances.

Title (de)
Erwärmen von Gegenständen.

Title (fr)
Chauffage de produits.

Publication
EP 0372850 A1 19900613 (EN)

Application
EP 89312553 A 19891201

Priority
• GB 8828216 A 19881202
• GB 8828217 A 19881202

Abstract (en)
The surface of a substance (19) is heated by locating it at one focal point (6) of an elliptical reflector (3) and subjecting it to radiation from a source (4) located at the other focal point (4A). Relative movement between the reflector and the surface may be effected to heat successive portions of the surface. The substance to be heated may be a metal which is subsequently welded.

IPC 1-7
C21D 1/30; **C21D 1/34**; **C21D 9/50**

IPC 8 full level
C21D 1/30 (2006.01); **C21D 1/34** (2006.01); **C21D 9/50** (2006.01)

CPC (source: EP)
C21D 1/30 (2013.01); **C21D 1/34** (2013.01); **C21D 9/50** (2013.01)

Citation (search report)
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• [X] US 2156352 A 19390502 - PETERSON THOMAS F
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• [A] DE 863204 C 19530115 - RHEINISCHE ROEHRENWERKE AG
• [Y] PATENT ABSTRACTS OF JAPAN, vol. 11, no. 163 (C-424)[2610], 26th May 1987; & JP-A-61 291 918 (NIPPON FURNACE) 22-12-1986

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Designated contracting state (EPC)
DE FR NL

DOCDB simple family (publication)
EP 0372850 A1 19900613; GB 2225549 A 19900606; GB 2225642 A 19900606; GB 2225642 B 19920909; GB 8927166 D0 19900131; GB 8927167 D0 19900131; NL 8902971 A 19900702

DOCDB simple family (application)
EP 89312553 A 19891201; GB 8927166 A 19891201; GB 8927167 A 19891201; NL 8902971 A 19891201