

Title (en)

MOULD FOR THE METALLOTHERMIC WELDING OF METAL WORKPIECES

Publication

EP 0000456 B1 19801029 (FR)

Application

EP 78400034 A 19780623

Priority

- FR 7721158 A 19770708
- FR 7817030 A 19780607

Abstract (en)

[origin: EP0000456A1] Multipart mould, for metallothemic welding of two pieces by arranging liquid weld metal around the ends of the pieces to be joined in a mould, is claimed in which at least one of the surfaces of the mould will come into contact with one of the pieces or another part of the mould, includes a projection with an outwardly sloping flank wrt. the casting cavity. The projection is covered with a sealing strip of compressible material of low ignition loss, one face of which is adhered to the projection. Esp. useful in butt-welding railway lines and other similar profiles. The projection and the sealant strip together prevent leakage of weld metal from the joint region when the seal is under pressure.

IPC 1-7

B23K 23/00; **E01B 11/52**

IPC 8 full level

B23K 23/00 (2006.01); **E01B 11/52** (2006.01)

CPC (source: EP)

E01B 11/52 (2013.01); **B23K 2101/26** (2018.07)

Cited by

EP3694680B1; CN112566746A; CN111432973A; WO2011013078A1

Designated contracting state (EPC)

BE CH DE GB NL SE

DOCDB simple family (publication)

EP 0000456 A1 19790124; **EP 0000456 B1 19801029**; AU 3774278 A 19800110; AU 515470 B2 19810402; BR 7804401 A 19790508; CA 1117727 A 19820209; DE 2860254 D1 19810129; ES 471516 A1 19790201; JP S5418448 A 19790210; JP S6054145 B2 19851128; MX 150536 A 19840523; OA 08229 A 19871030; TR 20302 A 19810107

DOCDB simple family (application)

EP 78400034 A 19780623; AU 3774278 A 19780704; BR 7804401 A 19780707; CA 307008 A 19780707; DE 2860254 T 19780623; ES 471516 A 19780706; JP 8217278 A 19780707; MX 17408278 A 19780706; OA 56553 A 19780706; TR 2030278 A 19780706