

Title (en)

PROCESS FOR JOINING A WORKPIECE WHICH CAN BE PLASTICISED TO ANOTHER WORKPIECE

Title (de)

VERFAHREN ZUM VERBINDEN EINES PLASTIFIZIERBAREN WERKSTÜCKS MIT EINEM ANDEREN WERKSTÜCK

Title (fr)

PROCEDE DE LIAISON D'UNE PIECE PLASTIFIABLE AVEC UNE AUTRE PIECE

Publication

EP 0921893 A1 19990616 (DE)

Application

EP 97935488 A 19970723

Priority

- DE 9701582 W 19970723
- DE 19630271 A 19960726

Abstract (en)

[origin: WO9804381A1] Two metallic workpieces are joined into a compound by placing a first workpiece against a base workpiece in the area of a joint and by pressing a friction element against the first workpiece while moving it relative to the workpieces towards the area of the joint. The friction element permeates into the first workpiece, forming a melt, the melt enters the area of the joint and is then withdrawn from the compound. The workpieces are thus friction welded in the area of the joint.

IPC 1-7

B23K 20/12; **B29C 65/06**

IPC 8 full level

B23K 20/12 (2006.01); **B29C 65/02** (2006.01); **B29C 65/06** (2006.01); **B29C 65/74** (2006.01)

CPC (source: EP)

B23K 20/1265 (2013.01); **B29C 65/0681** (2013.01); **B29C 65/609** (2013.01); **B29C 65/7437** (2013.01); **B29C 66/21** (2013.01); **B29C 66/8322** (2013.01)

Citation (search report)

See references of WO 9804381A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI NL

DOCDB simple family (publication)

WO 9804381 A1 19980205; AU 3846997 A 19980220; DE 19630271 A1 19980423; DE 19630271 C2 20020606; EP 0921893 A1 19990616

DOCDB simple family (application)

DE 9701582 W 19970723; AU 3846997 A 19970723; DE 19630271 A 19960726; EP 97935488 A 19970723