

Title (en)

WELDING TOOL COMPRISING A SHOULDER, WELDING METHOD AND WORKPIECE

Title (de)

SCHWEIßWERKZEUG MIT SCHULTER, SCHWEIßVERFAHREN SOWIE WERKSTÜCK

Title (fr)

OUTIL DE SOUDAGE À ÉPAULEMENT, PROCÉDÉ DE SOUDAGE ET PIÈCE

Publication

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Application

**EP 12742786 A 20120601**

Priority

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Abstract (en)

[origin: WO2012171522A1] The invention relates to a welding tool (10) for connecting at least two workpieces (28, 30) in a connection region (32) by means of friction stir welding. The welding tool (10) comprises a shoulder (12) for separating the connection region (32) from the surroundings (22), and the shoulder (12) is embodied as a form tool (34). The invention also relates to a welding method using said welding tool (10) and to a workpiece (33) that has been produced using the welding tool (10) or the welding method.

IPC 8 full level

**B23K 20/12** (2006.01)

CPC (source: EP US)

**B23K 20/122** (2013.01 - US); **B23K 20/1245** (2013.01 - EP US); **B23K 20/1265** (2013.01 - EP US)

Citation (search report)

See references of WO 2012171522A1

Citation (examination)

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- US 2009152328 A1 20090618 - OKAMOTO KAZUTAKA [JP], et al
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