

Title (en)

FRICTION STIR SPOT WELDING METHOD AND APPARATUS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM DREHENDEN REIBSCHWEISSEN VON PUNKTSCHWEISSVERBINDUNGEN

Title (fr)

PROCEDE ET DISPOSITIF DE SOUDAGE PAR POINTS PAR AGITATION-FRICTION

Publication

EP 1286805 A1 20030305 (EN)

Application

EP 00970327 A 20001018

Priority

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- NO 995093 A 19991019

Abstract (en)

[origin: WO0128732A1] Modified method for friction stir welding process where the shoulder (2) being independently movable of the pin (1) exercises controlled and variable forces on the assembled joined-to-be members so that the down force under retraction of the pin exceeds the plasticity limit of excess material collected under the shoulder.

IPC 1-7

B23K 20/12

IPC 8 full level

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CPC (source: EP)

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