

Title (en)

METHOD FOR REMOVING A BLIND RIVET IN A WORKPIECE ARRANGEMENT

Title (de)

VERFAHREN ZUR DEMONTAGE EINES BLINDNIETS IN EINER WERKSTÜCKANORDNUNG

Title (fr)

PROCÉDÉ DE DÉMONTAGE D'UN RIVET AVEUGLE DANS UN ENSEMBLE DE PIÈCE

Publication

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Application

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Abstract (en)

[origin: WO2020229488A1] The invention relates to a method for removing a blind rivet (2) in a workpiece arrangement (4), comprising the following steps: - providing a workpiece arrangement (4) having a first surface (6) and an opposite second surface (8) and having a hole (10), which connects the first surface (6) to the second surface (8), a blind rivet (2) being fixed in the hole (10), which blind rivet has a shell (12) and a screw (14) extending through the shell (12), the shell (12) and the screw (14) arranged therein extending coaxially along a common center axis (16), the shell (12) having a shell head portion (22), a straight portion (26), a deformation portion (30) and a threaded portion (32) having an internal thread (34), the straight portion (26) being located in the hole (10) and the deformation portion (30) and the threaded portion (32) protruding out of the hole (10) on the side of the second surface (8), the screw (14) having a screw head portion (36) and a pin portion (38) having an external thread (42), the screw (14) being arranged in the shell (12) such that the internal thread (34) of the shell (12) engages in the external thread (42) of the screw (14) and the deformation portion (30) of the shell (12) is deformed so that the outside diameter of the deformed deformation portion (30) is larger than the diameter of the hole (10), - cutting the shell (12) in the region of the thread portion (32) and/or the deformation portion (30), and - removing the blind rivet (2) from the hole (10).

IPC 8 full level

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