

Title (en)

PRESSURE TOOL, PRESSING APPARATUS AND METHOD FOR WELDING PLASTICS COMPONENTS

Title (de)

DRUCKWERKZEUG, PRESSVORRICHTUNG UND VERFAHREN ZUM SCHWEIßEN VON KUNSTSTOFFBAUTEILEN

Title (fr)

OUTIL DE COMPRESSION, DISPOSITIF DE COMPRESSION ET PROCÉDÉ DE SOUDAGE DE COMPOSANTS EN MATIÈRE PLASTIQUE

Publication

EP 4313560 A1 20240207 (DE)

Application

EP 22719874 A 20220330

Priority

- DE 102021108092 A 20210330
- EP 2022058489 W 20220330

Abstract (en)

[origin: WO2022207751A1] Pressure tool (203, 208) for applying a pressure force during the welding of plastics components (200, 202), the pressure tool (203, 208) having at least one metal first component contact portion (214, 216), wherein the pressure tool (203, 208) has at least one elastically deformable second component contact portion (218, 220) and is thermally controllable; pressing apparatus (204) having at least one such pressure tool (203, 208) for compressing plastics components (200, 202) during welding; method for welding plastics components (200, 202), wherein the method is carried out with the aid of such a pressing apparatus (204); and plastics module having at least two welded-together plastics components (200, 202), wherein the at least two plastics components (200, 202) have been welded using such a method.

IPC 8 full level

B29C 65/18 (2006.01)

CPC (source: EP US)

B29C 65/18 (2013.01 - EP); **B29C 65/305** (2013.01 - EP); **B29C 65/34** (2013.01 - EP); **B29C 66/1122** (2013.01 - EP); **B29C 66/43** (2013.01 - EP); **B29C 66/50** (2013.01 - EP); **B29C 66/7212** (2013.01 - EP); **B29C 66/73921** (2013.01 - EP); **B29C 66/8122** (2013.01 - EP); **B29C 66/81457** (2013.01 - EP US); **B29C 66/8322** (2013.01 - EP); **B29C 66/91212** (2013.01 - EP); **B29C 66/91231** (2013.01 - US); **B29C 66/9241** (2013.01 - US); **B29C 65/344** (2013.01 - EP); **B29C 65/3468** (2013.01 - EP); **B29C 65/3476** (2013.01 - EP); **B29C 65/3492** (2013.01 - EP); **B29C 66/30341** (2013.01 - EP); **B29C 66/71** (2013.01 - EP); **B29C 66/9141** (2013.01 - EP); **B29C 66/91651** (2013.01 - EP); **B29C 66/9241** (2013.01 - EP); **B29L 2031/3076** (2013.01 - EP)

C-Set (source: EP)

1. **B29C 66/8122 + B29K 2883/00**
2. **B29C 66/7212 + B29K 2307/04**
3. **B29C 66/7212 + B29K 2277/10**
4. **B29C 66/7212 + B29K 2267/00**
5. **B29C 66/7212 + B29K 2277/00**
6. **B29C 66/7212 + B29K 2223/00**
7. **B29C 66/7212 + B29K 2233/12**
8. **B29C 66/7212 + B29K 2309/08**
9. **B29C 66/7212 + B29K 2309/02**
10. **B29C 66/7212 + B29K 2307/02**
11. **B29C 66/71 + B29K 2071/00**
12. **B29C 66/71 + B29K 2081/04**
13. **B29C 66/71 + B29K 2081/06**
14. **B29C 66/71 + B29K 2079/085**
15. **B29C 66/71 + B29K 2027/18**

Designated contracting state (EPC)

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Designated extension state (EPC)

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Designated validation state (EPC)

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