

Title (en)

DEVICE AND METHOD FOR EFFECTING A MECHANICAL

Title (de)

Vorrichtung und Verfahren zum mechanischen Fügen

Title (fr)

DISPOSITIF ET PROCEDE POUR REALISER UN ASSEMBLAGE MECANIQUE

Publication

**EP 1108480 A3 20030205 (DE)**

Application

**EP 00112174 A 20000607**

Priority

DE 19959261 A 19991209

Abstract (en)

[origin: EP1108480A2] The appliance has a jointing tool (4) connected via a holder to a holder frame. A deflector mass (8) is located on the side of a holder (6) of a jointing tool, facing in a direction away from the movement direction of the tool. The deflector mass has a slightly spherical impact face, and it is guided via a bending spring (18) with adjustable tension. The natural frequency of a vibrating system is within a range of 35-65%, pref. approx. 50% of the impact frequency of the striking tool.

IPC 1-7

**B21D 39/03**

IPC 8 full level

**B23K 20/10** (2006.01); **B21D 39/03** (2006.01); **B21J 15/24** (2006.01); **B29C 65/02** (2006.01)

CPC (source: EP)

**B21D 39/031** (2013.01); **B21J 15/12** (2013.01); **B21J 15/24** (2013.01); **B21J 15/36** (2013.01)

Citation (search report)

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- [A] US 4660403 A 19870428 - SLASINSKI ARTHUR L [US]
- [A] DE 4111102 A1 19921008 - FRAUNHOFER GES FORSCHUNG [DE]
- [A] WO 9115316 A1 19911017 - WEBB EDWARD LESLIE THEODORE [AU]

Cited by

EP2754512A1; EP3120951A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1108480 A2 20010620**; **EP 1108480 A3 20030205**; BR 0004885 A 20010925; DE 10060035 A1 20010809; JP 2001179468 A 20010703

DOCDB simple family (application)

**EP 00112174 A 20000607**; BR 0004885 A 20001017; DE 10060035 A 20001202; JP 2000289059 A 20000922