



(11) **EP 3 804 890 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography INID code(s) 72

(51) Int Cl.:
B23B 31/14 ^(2006.01) **B23Q 3/06** ^(2006.01)

(48) Corrigendum issued on:
16.06.2021 Bulletin 2021/24

(43) Date of publication:
14.04.2021 Bulletin 2021/15

(21) Application number: **20275158.2**

(22) Date of filing: **09.10.2020**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
KH MA MD TN

(72) Inventors:
• **CHENG, Kai**
Uxbridge Middlesex UB8 3PH (GB)
• **KHAGHANI, Ali**
Uxbridge Middlesex UB8 3PH (GB)

(74) Representative: **Williams Powell**
11 Staple Inn
London WC1V 7QH (GB)

(30) Priority: **10.10.2019 GB 201914672**

(71) Applicant: **Brunel University London**
Uxbridge Middlesex UB8 3PH (GB)

(54) **ADAPTIVE PRECISION CHUCK**

(57) An adaptive precision chuck for a precision/ultraprecision machining system is described. The chuck (200) defining a mount for receiving a workpiece (300) wherein, when in use, the centre of the mount is configured to be substantially concentric with an axis of rotation (214) of the machining system, the chuck (200) further

including jaws (210) about the mount and a plurality of compliant flexures (203-206) configured, upon application of rotational forces by the machining system to the chuck about the axis of rotation (214), to engage the jaws (210) upon a workpiece (300) in the mount.

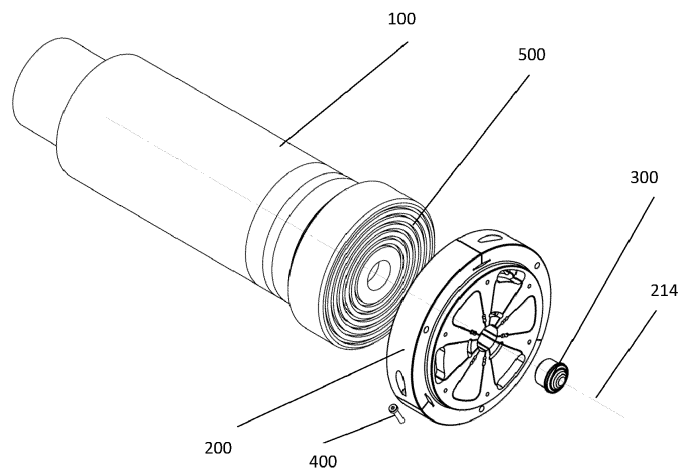


Fig. 1

EP 3 804 890 A8