



(51) International Patent Classification:
B23P 6/00 (2006.01)

(21) International Application Number:

PCT/US2009/001044

(22) International Filing Date:

19 February 2009 (19.02.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/066,286 19 February 2008 (19.02.2008) US

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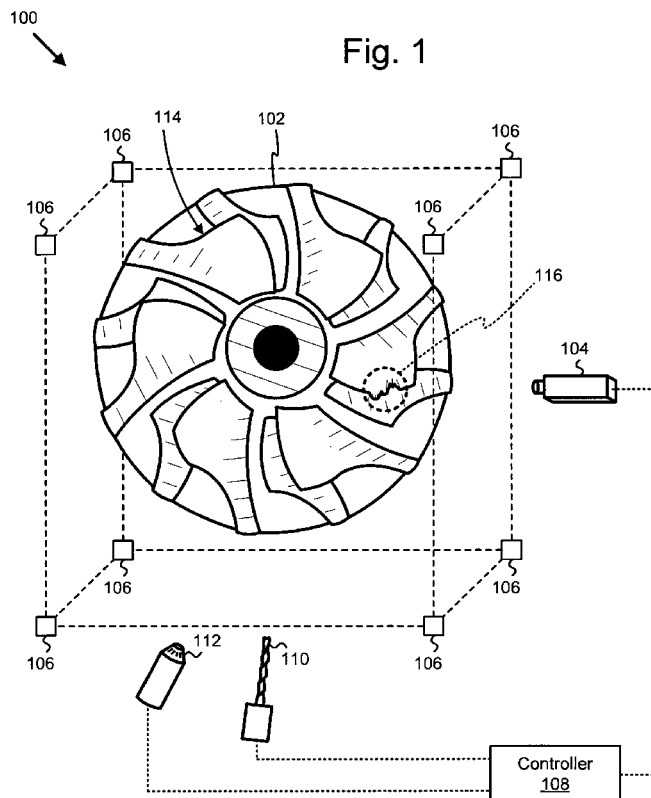
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR),

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(54) Title: SYSTEM, METHOD, AND APPARATUS FOR REPAIRING OBJECTS



(57) Abstract: A system is disclosed including a three-dimensional object having a non-conforming region, and a photogrammetry device adapted to scan the three-dimensional object. The system further includes optical reference targets and a controller structured to perform functions of repairing the three-dimensional object. The controller commands the photogrammetry device to scan the three-dimensional object, and calculates a nominal surface location and contour for the three-dimensional object. The controller further commands the photogrammetry device to scan the non-conforming region of the three-dimensional object, and calculates a material removal tool path comprising a path adapted to remove material from the object located beyond the nominal surface location and contour. The controller generates a solid model of the damaged region of the object based on the nominal surface location and contour, and computes a material addition tool path according to the solid model.



OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG). **(88) Date of publication of the international search report:**
30 December 2009

Published:

— *with international search report (Art. 21(3))*