Global patent marking for KYOCERA SGS Precision Tools products as follows. Items listed below may be sold indvidually or in combination.

Product	Series	Product ID	Patent Numbers
Z-Carb-AP	Z1PCR, Z1MPCR, Z1PLC, Z1MPIC, Z1MPLC, Z1PLB, Configured tools from Standard 5 digit product ID's listed	46851, 46880, 36370, 36851, 46852, 46881, 36371, 36852, 36722, 46853, 46882, 46854, 46855, 46884, 36599, 36372, 36600, 36723, 36854, 36853, 36601, 36373, 36724, 36855, 36374, 46856, 46857, 46886, 46887, 36375, 36701, 36725, 36736, 36856, 36864, 36376, 36702, 36727, 36738, 46858, 46859, 46889, 46890, 46891, 36857, 36865, 46860, 46909, 46861, 46493, 46910, 46893, 46911, 46894, 46912, 46895, 46913, 46896, 46914, 42718, 42719, 46915, 36602, 36603, 36378, 36804, 36704, 36604, 36605, 36729, 36810, 36740, 36859, 36867, 36858, 36805, 36866, 36610, 36611, 36380, 36811, 36706, 36612, 36613, 36381, 36812, 36707, 36614, 36615, 36731, 36813, 36742, 46862, 46494, 46916, 36860, 36806, 36868, 36383, 36814, 36709, 36861, 36807, 36869, 36384, 36815, 36710, 36385, 36816, 36711, 36733, 36817, 36744, 46863, 46495, 46917, 46898, 46918, ,46899, 46919, 46900, 46920, 46864, 42721, 46921, 46867, 46944, 36386, 36818, 36712, 36862, 36808, 36870, 36387, 36819, 36713, 36388, 36820, 36714, 36389, 36821, 36715, 46865, 46497, 46922, 46903, 46923, 46904, 46924, 46905, 46925, 42722, 42723, 46926, 46868, 46945, 46869, 46946, 46866, 46498, 46927, 36390, 36822, 36716, 36863, 36809, 36871, 36391, 36823, 36717, 36392, 36824, 36718, 36393, 36825, 36719, 46480, 36480, 36482, 36486, 38490, 38492, 38496, 36500, 36502, 36504, 46821, 36450, 36449, 36448, 36447, 36452, 36454, 36453, 46822, 46823, 36456, 36458, 36457, 46824, 46825, 36460, 46826, 46928, 46827, 46929, 46828, 46930, 42731, 42732, 46829, 46931, 42733, 36462, 36464, 36463, 36466, 36470, 36469, 36468, 46830, 46932, 46831, 46933, 46832, 46934, 42734, 46833, 46935, 42735, 46834, 46936, 46835, 46937, 42736, 36472, 46836, 46938, 46837, 46939, 46838, 46940, 42737, 46839, 46941, 42738, 46840, 46942, 46841, 46943, 42739, 36475, 36474, 36380SL, 36858Z, 46880Z, 46881Z, ALT01546TA, ALT01550TX, ALT01554TX, ALT01567TA, ALT01585TX, ALT85537TX, ALT86890TX, ALT87581ATX, ALT87581TX, ALT88191TX, ALT88595ATA, ALT88634TA, ALT90322TX, ALT90463TX, ALT91795ATX, ALT92516ATX, ALT92586TX, ALT92730ATX, ALT92730BTX, ALT92814TA, T81489TX, T83931LTA, T84505A, T84505B, T84505C, T84595MTA, T84595NTA, T84595PTA, T84595QTA, T84595RTA, T84595STA, T84595TTA, T84595UTA, T84595VTA, T84595WTA, T84595XTA, T84595YTA, T84631TA, T84635ATA, T84635ATX, T84635BTA, T84635BTX, T84635CTA, T84635CTX, T84917CTX, T84917DTX, T84917ETA, T84917ETX, T84917FTX, T84917GTX, T84917HTA, T84917HTX, T84917JTX, T84917KTX, T84917LTX, T84917MTX, T84917NTA, T84917NTX, T84917PTA, T84917PTX, T8491181BTA, T84982CTX, T84982DTA, T84982DTX, T84982ETX, T84982FTX, T84983ATX, T84983ETX, T84983FTX, T84983GTX, T84989TX, T84990ATX, T84990BTX, T84990DTA, T84990DTX, T84990KTX, T84990LTX, T85007ATX, T85007BTX, T85008CTX, T85008DTX, T85009ATX, T85009BTA, T85009BTX, T85009ETX, T85009FTA, T85009FTX, T85010ETX, T85011BTX, T85011CTA, T85011CTX, T85207DTA, T85384DTA, T85384DTX, T85429BTX, T85491TA, T85520TX, T85951ATX, T85951BTX, T85951CTX, T85951DTX, T85951ETX, T85951FTX, T86352ATX, T86352BTX, T86352CTX, T86352DTX, T86352ETX, T86352FTX, T86352GTX, T86433TA, T86433TX, T86435TX, T86639TX, T86876ATX, T86876BTX, T87068BTA, T87068CTA, T87498AATX, T87498ZTX, T87581TX, T87601TA, T87601TX, T87838TA, T87892TX, T88035ATA, T88035ATX, T88300ATX, T88300GTX, T88324TA, T88376CTX, T88376DTX, T88376FTX, T88376HTX, T88376LTX, T88376MTX, T88376STX, T88376TTX, T88397ATX, T88397CTX, T88569, T88569TX, T88595ATX, T88595BTX, T88595CTX, T88595DTX, T88598ATX, T88598BTX, T88598CTX, T88598DTX, T88598ETX, T88598FTX, T88598GTX, T88598HTX, T88598JTX, T88598KTX, T88598LTX, T89008TX, T89296DTA, T89554ATA, T89554BTA, T89575TA, T89715TA, T89838ATA, T89838BTA, T89873TX, T89966TX, T90080BTN, T90126ATA, T90126BTA, T90126CTA, T90126DTA, T90126ETA, T90126FTA, T90126GTA, T90126HTA, T90126JTA, T90126KTA, T90131TX, T90306TA, T90412TX, T90460ATX, T90460BTX, T90460CTX, T90762BTA, T91013CTA, T91056TX, T91058TM, T91168ATX, T91221TX, T91295TX, T91348BTM, T91348CTM, T91348ETM, T91523CTX, T91831TA, T91831TX, T92322ATM, T92517CTX, T94575ATA, T94913TX, R36602, R36709, R36450, R36452, R36871, R36736, R36389, R36727, R36724, R46882, R36372, R36701, R36600, R36723, R36707, R36381, R36742, R36706, R36702, R36603, R36371, R36712, R36504, R46852, R36599, R36611, R36458, R36615, R36858, R36867, R38492, R36853, R36856, R36866, R36870, R36869, R36859, R36861, R36387, R36393, R36719, R36716, R36383, R36733, R36855, RT85918, R36805, R36864, R36854, R36852, R36380, R36863, R36472, R36610, R36614, R36386, R36378, R36486, R36462, R36456, R36384, R36704, R36376, R36480, R36725, R36460, R36713, R46861, R36604, R36466, R36385, R36613, R36731, R36740, R36857, R36375, RT85918TA, R36482, R36380, R36373, RT88569TX, R36474, R36729, R36390, R36865, R36470, R46881, R36807, R36808, R36809, ALT92634ATX	7,306,408, 7,789,597 9,630,263 2,630,728 294328 602007023312.7 1971456 602007054253.7 12171003.2
Z-Carb-AP	Z1PCR, Z1MPCR, Z1PLC, Z1MPIC, Z1MPLC, Configured tools from Standard 5 digit product ID's listed	46851, 46880, 36851, 46852, 46881, 36852, 36722, 46854, 46855, 46884, 36854, 36853, 36601, 36373, 36855, 36374, 46856, 46857, 46886, 46887, 36856, 36864, 36376, 36702, 36727, 36738, 46858, 46859, 46889, 46890, 46891, 36857, 36865, 46860, 46909, 46861, 46493, 46910, 46893, 46911, 46894, 46912, 46895, 46913, 46896, 46914, 42718, 42719, 46915, 36859, 36867, 36858, 36805, 36866, 36610, 36611, 36380, 36811, 36706, 36612, 36613, 36381, 36812, 36707, 36614, 36615, 36731, 36813, 36742, 46862, 46494, 46916, 36860, 36806, 36868, 36383, 36814, 36709, 36861, 36807, 36869, 36384, 36815, 36710, 36385, 36816, 36711, 36733, 36817, 36744, 46863, 46495, 46917, 46898, 46918, 46899, 46919, 46900, 46920, 46864, 42721, 46921, 46867, 46944, 36386, 36818, 36712, 36862, 36808, 36870, 36387, 36819, 36713, 36388, 36820, 36714, 36389, 36821, 36715, 46865, 46497, 46922, 46903, 46923, 46904, 46924, 46905, 46925, 42722, 42723, 46926, 46868, 46945, 46869, 46946, 46866, 46498, 46927, 36390, 36822, 36716, 36863, 36809, 36871, 36391, 36823, 36717, 36392, 36824, 36718, 36393, 36825, 36719, 46821, 36450, 36449, 36448, 36447, 36452, 36454, 36453, 46822, 46823, 36456, 36458, 36457, 46824, 46825, 36460, 46826, 46828, 46928, 46827, 46929, 46828, 46930, 42731, 42732, 46829, 46931, 42733, 36462, 36464, 36463, 36466, 36470, 36469, 36468, 46830, 46932, 46831, 46933, 46832, 46934, 42734, 46833, 46935, 42735, 46834, 46936, 46835, 46937, 42736, 36472, 46836, 46938, 46837, 46939, 46938, 46940, 42737, 46839, 46941, 42738, 46840, 46942, 46841, 46943, 42739, 36475, 36474, T84505A, T84505B, T84505C, T84635ATA, T84635ATX, T84635BTA, T84635BTX, T84635CTA, T84635CTX, T84917CTX, T84917DTX, T84917FTX, T84917HTA, T84917HTX, T84917JTX, T84917KTX, T84917LTX, T84917MTX, T84917NTA, T84917NTX, T84917PTA, T84917PTX, T84981BTA, T84982CTX, T84982CTA, T84982DTX, T84982FTX, T84983FTX, T84983GTX, T84989TX, T84990ATX, T84990BTX, T84990DTA, T84990DTX, T84990KTX, T84990LTX, T84990LTX, T85007ATX, T85007BTX, T85008CTX, T85008DTX, T85009ATX, T85009BTA, T85009BTX, T85009ETX, T85009FTA, T85009FTX, T85010ETX, T85011BTX, T85011CTA, T85011CTX, T85207DTA, T85384DTA, T85384DTX, T85429BTX, T85491TA, T85520TX, T86352ATX, T86352BTX, T86352CTX, T86352DTX, T86352ETX, T86352FTX, T86433TA, T86433TX, T86435TX, T86639TX, T86876ATA, T86876BTX, T87581TX, T87601TA, T87601TX, T87838TA, T87892TX, T88035ATA, T88035ATX, T88300ATX, T88300GTX, T88324TA, T88376TCX, T88376DTX, T88376FTX, T88376HTX, T88376LTX, T88376MTX, T88376STX, T88397ATX, T88397CTX, T88569, T88569TX, T88598ATX, T88598BTX, T88598CTX, T88598DTX, T88598FTX, T88598GTX, T88598HTX, T88598JTX, T88598LTX, T89296DTA, T89838ATA, T89838BTA, T89966TX, T90460TX, T91013CTA, T91058TM, T91168ATX, T91295TX, T91348BTM, T91348CTM, T91348ETM, T91523CTX, T91831TA, T91831TX, T92322ATM, T92517CTX	8,414,228 8,939,682 9,630,263
Various	Various, Configured tools from Standard 5 digit product ID's listed	36804, 36805, 36806, 36807, 36808, 36809, 36810, 36811, 36812, 36813, 36814, 36815, 36816, 36817, 36818, 36819, 36820, 36821, 36822, 36823, 36824, 36825, 36826, 36827, 36828, 36829, 36830, 36846, 36847, 36848, 36849, 36850, 42719, 42721, 42723, 46493, 46494, 46495, 46497, 46498, 46506, 46507, 46508, 46509, 46510, 46518, 46519, 46520, 46521, 46522, ALT01508TA, ALT01582TA, ALT01586TA, ALT01587TA, ALT01588TA, ALT85348ATA, ALT85348BTA, ALT85348CTA, ALT87547TA, ALT89297TA, ALT89549, ALT92904TX, ALT93195CTA, ALT93195DTA, ALT93195FTA, DR78725BTA, DR84276ATA, DR84276BTA, DR84276CTA, DR84276DTA, DR84276ETA, DR84971ATA, DR84971BTA, DR84971CTA, DR86378TA, DR93058TM, DR93062TM, JET_43900, JET_44607, M1034_44573, M1035_44570, M1036_44551, R36805, R36807, R36808, R36809, R36826, R36828, R36829, R36830, R36849, R36850, R46506, R46507, RTCG01000074825, RTCG01000285031, T82434TA, T84085, T84573BTX, T85423ATA, T85423CTA, T86639TX, T86876BTX, T90412TX, T91910A, T91910B, T91910C, T92069TB, T92770DTX, T92848, TCG01000074788, TCG01000074813, TCG01000074813RG, TCG01000074825, TCG01000074825RG, TCG01000074836, TCG01000074836RG, TCG01000285031, TCG01000285031RG, TCG01000285037, TCG01000285037RG, TCG01000285089, TCG01000285089RG, VT89614B_JETS, VT90065SIS, VT90396BTX_JETS, VT92956ATB_JETS, VT92956BTB_JETS, R36848	6,648,561

Other U.S. and International Patents Pending
Revision Date: March 26, 2018