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(71) Applicant(s):

MANDAWEWALA, Abhishek [IN/IN]; 9th Floor, Trade World, B Wing Kamala City, Senapati Bapat Marg, Lower Parel Mumbai 400013 (IN) (AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BE, BF, BG, BH, BJ, BN, BR, BW, BY, BZ, CA, CF, CG, CH, CI, CL, CM, CN, CO, CR, CU, CY, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, FR, GA, GB, GD, GE, GH, GM, GN, GQ, GR, GT, GW, HN, HR, HU, ID, IE, IL, IR, IS, IT, JO, JP, KE, KG, KH, KM, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MC, MD, ME, MG, MK, ML, MN, MR, MT, MW, MX, MY, MZ, NA, NE, NG, NI, NL, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SI, SK, SL, SM, SN, ST, SV, SY, SZ, TD, TG, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW only)

AYM SYNTEX LTD [IN/IN]; 9th Floor, Trade World, B Wing, Kamala City, Senapati Bapat Marg, Lower Parel Mumbai 400013 (IN) (IN only)

(72) Inventor(s):

MANDAWEWALA, Abhishek; 9th Floor, Trade World, B Wing Kamala City, Senapati Bapat Marg, Lower Parel Mumbai 400013 (IN)

R M, Vinaykumar; 692 Saikuteer VHBSC Layout Veernapalya Nagwara Bangalore (IN)

(74) Agent(s):

GARG, Neha; KAnalysis Consultant (P.) Ltd KH-368/369, First and Second Floor, Sultanpur, M.G. Road Newdelhi 110030 (IN)

(54) Title (EN): PROCESS AND SYSTEM FOR MANUFACTURING TWISTED AND TEXTURED YARNS

(54) Title (FR): PROCÉDÉ ET SYSTÈME DE FABRICATION DE FILS TORSADÉS ET TEXTURÉS

(57) Abstract:

(EN): A process and system for manufacturing twisted and textured yarns are provided. The process includes drawing a first material yarn from a first supply source under predetermined tension; heatingly extending the first material yarn through at least one first heating godet; drawing a second material yarn from a second supply source under predetermined tensions; heatingly extending the second material yarn through at least one second heating godet; feeding at least one of the first material yarn and the second material yarn in an Air Textured Unit (ATY) to obtain a third material yarn; winding the third material yarn exiting from the ATY, wherein the winding is a pirn winding process; twisting the first material yarn, the second material yarn and the third material yarn; and rewinding the twisted third material yarn.

(FR): L'invention concerne un procédé et un système de fabrication de fils torsadés et texturés. Le procédé consiste à étirer un premier fil de matière à partir d'une première source d'alimentation sous une tension prédéterminée ; à étendre par chauffage le premier fil de matière par le biais d'au moins un premier godet de chauffage ; à étirer un second fil de matière à partir d'une seconde source d'alimentation sous des tensions prédéterminées ; à étendre par chauffage le second fil de matière par le biais d'au moins un second godet de chauffage ; à introduire le premier fil de matière et/ou le second fil de matière dans une unité texturée par air (ATY) pour obtenir un troisième fil de matière ; enrouler le troisième fil de matière sortant de l'ATY, l'enroulement étant un processus d'enroulement de canette ; torsader le premier fil de matière , le deuxième fil de matière et le troisième fil de matière ; et enrouler à nouveau le troisième fil de matière torsadé.

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Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))