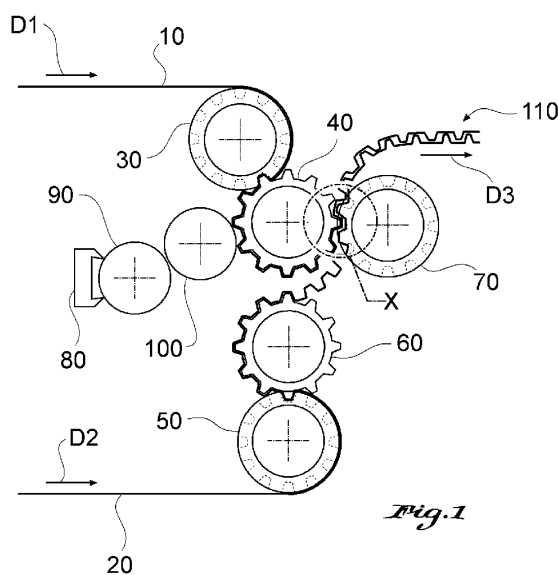




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 ARNOUL-JARRIAULT, Benoit; c/o Essity Operations France, BP 49 - 11, route Industrielle, 68320 Kunheim (FR).</p> <p>(74) Agent: HOFFMANN EITLE PATENT- UND RECHTSANWÄLTE PARTMBB, ASSOCIATION NO. 151; Arabellastraße 30, 81925 Munich (DE).</p> | <p>(81) Designated States (<i>unless otherwise indicated, for every kind of national protection available</i>): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.</p> <p>(84) Designated States (<i>unless otherwise indicated, for every kind of regional protection available</i>): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).</p> |
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- (54) Title:** APPARATUS AND METHOD FOR MANUFACTURING A TISSUE PAPER PRODUCT



(57) Abstract: This disclosure relates to an apparatus for manufacturing a tissue paper product, such as toilet paper or household towel. The apparatus comprises an embossing unit comprising a first counter roll, a first heatable embossing roll, a second counter roll, and a second heatable embossing roll, and a marrying roll. The apparatus is configured to emboss a first ply between the first heatable embossing roll and the first counter roll, to emboss a second ply between the second heatable embossing roll and the second counter roll, and to ply-bond the first ply and the second ply between the first heatable embossing roll and the marrying roll.

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