

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(10) International Publication Number  
**WO 2014/125439 A1**

(43) International Publication Date  
**21 August 2014 (21.08.2014)**

(51) International Patent Classification:  
**B65C 3/06 (2006.01)**

(21) International Application Number:  
**PCT/IB2014/058991**

(22) International Filing Date:  
**14 February 2014 (14.02.2014)**

(25) Filing Language:  
**Italian**

(26) Publication Language:  
**English**

(30) Priority Data:  
**VR2013A000042 15 February 2013 (15.02.2013) IT**  
**VR2013A000057 8 March 2013 (08.03.2013) IT**

(71) Applicant: **SACMI VERONA S.P.A. [IT/IT]**; Via Provinciale Selice, 17/A, I-40026 Imola (IT).

(72) Inventors: **PEDERCINI, Maurizio**; Via Borgo, 5/A, I-46045 Marmirolo (IT). **PARRINELLO, Fiorenzo**; Via Sillaro, 951, I-40059 Medicina (IT). **FARINA, Andrea**; Via Volturino, 5, I-37069 Villafranca Di Verona (IT). **FISOGNI, Martino**; Via Isola della Scala, 36A, I-37060 Buttapietra (IT). **ALBERTAZZI, Simone**; Via Marchesi, 8, I-40026 Imola (IT). **FIORINI, Maurizio**; Via Guido Rossa, 31, I-40011 Anzola Dell'emilia (IT). **CAMPANA, Giampaolo**; Via A. Fioravanti, 69, I-40129 Bologna (IT). **PAGANO, Nunziante**; Via Fratelli Bandiera, 21, I-84061 Ogliastro Cilento (IT). **IEMMELLO, Antonella**; Via J.F. Kennedy, 6, I-20018 Sedriano (IT).

(74) Agent: **MODIANO, Micaela**; Modiano & Partners, Via Meravigli, 16, I-20123 Milano (IT).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, 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).

Published:

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

(54) Title: **METHOD OF PRODUCING SHRINK SLEEVE LABELS AND DEVICE**

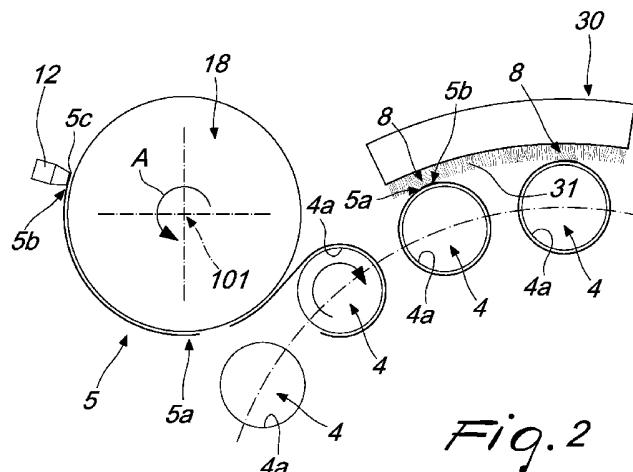


Fig. 2

(57) Abstract: A method of producing shrink sleeve labels (2) which comprises: - A step of unwinding a feed reel (3) of heat-shrink film; - A step of separating at least one band of heat-shrink film (5) from the feed reel (3); - A step of feeding the band of heat-shrink film (5) to a formation spindle (4); - A step of winding the band of heat-shrink film (5) around the formation spindle (4) in order to provide a sleeve label (2), there being provided an overlap region (8) between a first longitudinal end (5a) of the band of heat-shrink film (5) in contact with the formation spindle (4) and the second longitudinal end (5b) of the band of heat-shrink film (5); - A step of transferring the sleeve label (2) that is formed around the formation spindle (4) from the formation spindle (4) to a container to be labeled (10); the method comprising a step of interposing a layer of solvent, at the overlap region, between at least one portion of the first longitudinal end and at least one portion of the second longitudinal end, the layer of solvent (6) having a thickness comprised between 0.002 mm and 0.09 mm.