



PATENT MARKING FOR CURT G. JOA, INC. PRODUCTS

United States Patent No.	Title	Products
US10391657B2	Methods and apparatus for elastic deactivation in a laminate	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines •J20S-LI Light Incontinence Machines •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US10456302B2	Methods and apparatus for application of nested zero waste ear to traveling web	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines
US10537479B2	Dual bonder	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines •SAIL Ultrasonic Bonding Units
US10561539B2	Dual bonder	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines •SAIL Ultrasonic Bonding Units
US10603223B1	Vacuum commutation apparatus and methods	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US10792196B2	Apparatus and method for high speed cross folding	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines •J8S-UP Underpad Machines •JOA Medical Gown Machines •Gentle Touch Folding Units
US10828204B2	Apparatus and method for forming absorbent cores	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J20S-LI Light Incontinence Machines •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US10894687B2	Single transfer insert placement method and apparatus	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines •STIPP Insert Placers •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines



US10899574B2	Elastic break brake apparatus and method for minimizing broken elastic rethreading	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines •J7I-BP Baby Pant Machines •J20S-LI Light Incontinence Machines •DEDE 330 Light Incontinence Machines •Break Brake Elastic Catch Units •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US11000423B2	Dual bonder	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines •SAIL Ultrasonic Bonding Units
US11034539B2	Apparatus and method for web twist defect correction	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines •J7I-BP Baby Pant Machines •J20S-LI Light Incontinence Machines •DEDE 330 Light Incontinence Machines
US11034543B2	Apparatus and method for applying parallel flared elastics to disposable products and disposable products containing parallel flared elastics	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines
US11071655B2	Apparatus and method for high speed cross folding	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines •J8S-UP Underpad Machines •JOA Medical Gown Machines •Gentle Touch Folding Units



US11174117B2	Apparatus and method for splicing material rolls	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J7I-BP Baby Pant Machines •J20S-FN Feminine Care Machines •J20S-PL Feminine Care Machines •J20S-LI Light Incontinence Machines •J8S-UP Underpad Machines •JOA Medical Gown Machines •JOA Turret Unwinds •ARLS Automatic Roll Loading System •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US11192310B2	Method and apparatus for improved ultrasonic bonding	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines •SAIL Ultrasonic Bonding Units
US11325801B2	Disposable product assembly systems and methods	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J20S-FN Feminine Care Machines •J20S-LI Light Incontinence Machines •JOA Turret Unwinds •ARLS Automatic Roll Loading System
US11479008B2	Apparatus and method for folding	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •Hurricane Folding Units •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US11590032B2	Method for application of nested zero waste ear to traveling web	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines
US11639282B2	Apparatus and method for applying parallel flared elastics to disposable products and disposable products containing parallel flared elastics	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines
US7452436B2	Transverse tape application method and apparatus	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J6S-B Baby Open Diaper Machines •J4-AP Adult Pant Machines



US7640962B2	Multiple tape application method and apparatus	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J6S-B Baby Open Diaper Machines •J4-AP Adult Pant Machines
US7811403B2	Transverse tab application method and apparatus	<ul style="list-style-type: none"> •J6S-B Baby Open Diaper Machines •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US7975584B2	Single transfer insert placement method and apparatus	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines •STIPP Insert Placers •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US8007623B2	Apparatus and method for intermittent application of stretchable web to target web	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines
US8016972B2	Methods and apparatus for application of nested zero waste ear to traveling web	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines
US8172977B2	Methods and apparatus for application of nested zero waste ear to traveling web	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines
US8663411B2	Apparatus and method for forming a pant-type diaper with refastenable side seams	<ul style="list-style-type: none"> •J7I-BP Baby Pant Machines
US8673098B2	Method and apparatus for stretching segmented stretchable film and application of the segmented film to a moving web	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US8794115B2	Single transfer insert placement method and apparatus	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines •STIPP Insert Placers •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US9283683B2	Ventilated vacuum commutation structures	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines
US9387131B2	Apparatus and method for minimizing waste and improving quality and production in web processing operations by automated threading and re-threading of web materials	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines
US9433538B2	Methods and apparatus for application of nested zero waste ear to traveling web and formation of articles using a dual cut slip unit	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines



US9550306B2	Single transfer insert placement and apparatus with cross-direction insert placement control	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines •STIPP Insert Placers •ESC-8 Insert Placers •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US9566193B2	Methods and apparatus for forming disposable products at high speeds with small machine footprint	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J20S-FN Feminine Care Machines •J20S-LI Light Incontinence Machines •JOA Turret Unwinds •ARLS Automatic Roll Loading System
US9603752B2	Apparatus and method for minimizing waste and improving quality and production in web processing operations by automatic cuff defect correction	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines •J7I-BP Baby Pant Machines
US9687390B2	Product turner and placer	<ul style="list-style-type: none"> •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines
US9809414B2	Elastic break brake apparatus and method for minimizing broken elastic rethreading	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines •J7I-BP Baby Pant Machines •J20S-LI Light Incontinence Machines •DEDE 330 Light Incontinence Machines •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
US9907706B2	Methods and apparatus for forming disposable products at high speeds with small machine footprint	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J20S-FN Feminine Care Machines •J20S-LI Light Incontinence Machines •JOA Turret Unwinds •ARLS Automatic Roll Loading System



US9908739B2	Apparatus and method for applying parallel flared elastics to disposable products and disposable products containing parallel flared elastics	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines
US9950439B2	Single transfer insert placement method and apparatus with cross-direction insert placement control	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J7I-BP Baby Pant Machines •STIPP Insert Placers •ESC-8 Insert Placers •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
USD684613S1	Sliding guard structure	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J8T-AB Adult Brief Machines
USD703247S1	Ventilated vacuum commutation structure	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines
USD703248S1	Ventilated vacuum commutation structure	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines
USD703712S1	Ventilated vacuum commutation structure	<ul style="list-style-type: none"> •J8T-AB Adult Brief Machines
USD704237S1	Ventilated vacuum commutation structure	<ul style="list-style-type: none"> •J8T-B Baby Open Diaper Machines
USD842577S1	Elastic break brake	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines •J7I-BP Baby Pant Machines •J20S-LI Light Incontinence Machines •DEDE 330 Light Incontinence Machines •Break Brake Elastic Catch Units •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines
USD862826S1	Elastic break brake	<ul style="list-style-type: none"> •J8T-AP Adult Pant Machines •J7I-AP Adult Pant Machines •J8T-AB Adult Brief Machines •J8T-B Baby Open Diaper Machines •J6S-B Baby Open Diaper Machines •J7I-BP Baby Pant Machines •J20S-LI Light Incontinence Machines •DEDE 330 Light Incontinence Machines •Break Brake Elastic Catch Units •J4-AP Adult Pant Machines •J6-AP Adult Pant Machines



USRE48182E1	Apparatus and method for minimizing waste and improving quality and production in web processing operations by automatic cuff defect correction	<ul style="list-style-type: none">•J8T-AP Adult Pant Machines•J7I-AP Adult Pant Machines•J8T-AB Adult Brief Machines•J8T-B Baby Open Diaper Machines•J6S-B Baby Open Diaper Machines•J7I-BP Baby Pant Machines
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