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(54) Title: DISPOSABLE PANT-TYPE DIAPER HAVING ENHANCED EXTENSIBILITY AROUND WAIST OPENING

(57) Abstract

A disposable garment having enhanced extensibility around waist opening is disclosed. The disposable garment has a front region, a back region and a crotch region between the front region and the back region. The disposable garment comprises a chassis and seams. The chassis comprises a topsheet, a backsheet joined with the topsheet, and an absorbent core interposed between the topsheet and the backsheet. The chassis has a central panel having side edges and a waist edge, and an ear panel extending laterally outwardly from each side edge of the central panel in the front region and the back region. The ear panel is rendered extensible to form an extensible ear. The extensible ear has a higher end edge, a lower end edge, an inner side edge, and an outer side edge. The outer side edge is non-parallel to the inner side edge, and is non-parallel to a longitudinal center line of the garment, and projects laterally outwardly proximate the higher end edge. A lateral width of the extensible ear between the inner side edge and the outer side edge is greater proximate the higher end edge than proximate the lower end edge. The seams join each ear panel along the outer side edge to a corresponding portion in the opposite region of the disposable garment so as to form one waist opening and two leg openings. The seam is non-parallel to the longitudinal center line.

