

Title (en)  
VERTICAL WAISTBAND

Title (de)  
VERTIKALER HÜFTGURT

Title (fr)  
CEINTURE VERTICALE

Publication  
**EP 3338577 A1 20180627 (EN)**

Application  
**EP 16903370 A 20161128**

Priority  
• CN 201610984192 A 20161109  
• CN 2016107490 W 20161128

Abstract (en)

The present invention provides a vertical waist belt. A vertical position limiting device is arranged at any position above a crotch part of a pair of pants. The vertical position limiting device includes a belt. Two ends of the belt are respectively fixed at a front side and a back side of the pair of pants. The vertical waist belt at the front side includes a left line and a right line. The upper ends of the left line and the right line of the vertical waist belt at the front side are respectively fixed at a front waistline of the pair of pants. The vertical waist belt at the back side includes a left line and a right line. The upper end of the left line and the right line of the vertical waist belt at the back side are respectively fixed at a back waistline of the pair of pants. The left line and right line of the vertical waist belt at the front side and the left line and right line of the vertical waist belt at the back side are respectively connected to each other at a position below the crotch part of the pair of pants.

IPC 8 full level  
**A41F 9/02** (2006.01)

CPC (source: CN EP KR RU US)  
**A41D 1/06** (2013.01 - KR); **A41F 3/00** (2013.01 - EP); **A41F 9/00** (2013.01 - US); **A41F 9/002** (2013.01 - US); **A41F 9/02** (2013.01 - KR RU);  
**A41F 9/025** (2013.01 - CN EP US); **A41D 2400/38** (2013.01 - KR); **A44B 1/00** (2013.01 - KR); **A44B 18/00** (2013.01 - KR);  
**A44B 19/00** (2013.01 - KR)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3338577 A1 20180627; EP 3338577 A4 20180912**; AU 2016408520 A1 20180524; AU 2016408520 B2 20190411; CA 2986660 A1 20180221;  
CA 2986660 C 20190924; CN 106617427 A 20170510; JP 3225007 U 20200206; KR 102007399 B1 20190805; KR 20180065974 A 20180618;  
MX 2017015802 A 20180801; NZ 737881 A 20201127; RU 188997 U1 20190506; US 2018289091 A1 20181011; WO 2018086164 A1 20180517

DOCDB simple family (application)  
**EP 16903370 A 20161128**; AU 2016408520 A 20161128; CA 2986660 A 20161128; CN 2016107490 W 20161128;  
CN 201610984192 A 20161109; JP 2017600148 U 20161128; KR 20177035625 A 20161128; MX 2017015802 A 20161128;  
NZ 73788116 A 20161128; RU 2017143198 U 20161128; US 201615575392 A 20161128