Title (en)

Webbing for occupant restraint belt, seat belt, and seat belt apparatus

Title (de)

Gewebtes Gurtband für ein Fahrzeuginsassenrückhaltesystem, Sicherheitsgurt und Sicherheitsgurtvorrichtung

Title (fr)

Sangle tissée pour ceinture de retenue de passagers, ceinture et dispositif de ceinture de sécurité

Publication

EP 1790763 B1 20120606 (EN)

Application

EP 06024148 A 20061121

Priority

JP 2005342920 A 20051128

Abstract (en)

[origin: EP1790763A2] In order to provide a technology which is effective both for applying stiffness and for reducing the weight of an occupant restraint belt to be installed in a vehicle, in a seat belt apparatus which is installed in a vehicle, webbing composing a seat belt which is a long belt for restraining a vehicle occupant is woven in such a manner that warp yarns and weft yarns made of synthetic filaments extend perpendicular to each other. At least either of the warp yarns and the weft yarns are made of synthetic filaments having thermal adhesiveness which are made by bundling a plurality of filament bodies each of which comprises a first filament and a second filament which is attached to the outer surface of the first filament and has melting point lower than that of the first filament. The second filaments are melted when heated under a condition of a temperature of 150 °C or more and a process time of 180 seconds or more so that the filament bodies are welded. The webbing has weight of 60 g/ m or less, tensile strength of 25 kN or more, and retention rate after hexagonal bar abrasion of 70% or more.

IPC 8 full level

D03D 1/00 (2006.01); **D02G 3/40** (2006.01)

CPC (source: EP US)

D02G 3/402 (2013.01 - EP US); **D03D 1/0005** (2013.01 - EP US); **D03D 15/587** (2021.01 - EP); D10B 2401/041 (2013.01 - EP US); Y10T 442/3146 (2015.04 - EP US); Y10T 442/3154 (2015.04 - EP US)

Designated contracting state (EPC)

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EP 1790763 A2 20070530; **EP 1790763 A3 20090506**; **EP 1790763 B1 20120606**; CN 1982516 A 20070620; JP 2007145198 A 20070614; JP 4666495 B2 20110406; US 2007123128 A1 20070531

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EP 06024148 A 20061121; CN 200610163006 A 20061128; JP 2005342920 A 20051128; US 60173106 A 20061120