

Title (en)

Cloth edge position detecting device and sewing machine

Title (de)

Stoffkantenpositionserkennungsvorrichtung und Nähmaschine

Title (fr)

Dispositif de détection de position de bord de tissu et machine à coudre

Publication

EP 2581482 B1 20150916 (EN)

Application

EP 12188075 A 20121011

Priority

JP 2011226499 A 20111014

Abstract (en)

[origin: EP2581482A1] The present invention relates to a cloth edge position detecting device and a sewing machine. The cloth edge position detecting device includes a cloth edge sensor (6) configured to output a voltage corresponding to a cloth edge position and a control section (71, 72) configured to detect the cloth edge position based on the voltage output from the cloth edge sensor (6). The control section (71, 72) determines that a position (Pos) at which a voltage change exceeding a cloth edge determining threshold (Ve) appears first in the direction from the inner side to the outer side of the workpiece cloth (W) across the cloth edge is the cloth edge position.

IPC 8 full level

D05B 35/10 (2006.01)

CPC (source: EP)

D05B 35/102 (2013.01)

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

DOCDB simple family (publication)

EP 2581482 A1 20130417; **EP 2581482 B1 20150916**; CN 103046242 A 20130417; CN 103046242 B 20161207; JP 2013085595 A 20130513; JP 5957199 B2 20160727

DOCDB simple family (application)

EP 12188075 A 20121011; CN 201210390072 A 20121015; JP 2011226499 A 20111014