

Title (en)

Feeding device of sewing machine

Title (de)

Zuführvorrichtung einer Nähmaschine

Title (fr)

Dispositif d'alimentation d'une machine à coudre

Publication

**EP 2458053 B1 20140402 (EN)**

Application

**EP 11190688 A 20111125**

Priority

JP 2010263934 A 20101126

Abstract (en)

[origin: EP2458053A1] A feed roller 5 which rotates about a supporting shaft 50 extending in parallel with a needle plate 3 is supported by a presser base 21 attached to a lower end of a presser bar 2. The feed roller 5 descends by fall of the presser bar 2, sandwiches cloth for sewing between itself and a driven roller 30 provided in a corresponding position of the needle plate 3, intermittently rotates, and feeds the cloth for sewing. Repeated rotation of a feed drive shaft 40 is transmitted to the feed roller 5 via a swinging arm 43, an upper link 46, a feed transmission shaft 44, a lower link 47 and a transmission bracket 48, and the feed roller 5 rotates only while the feed drive shaft 40 rotates in one direction.

IPC 8 full level

**D05B 27/10** (2006.01)

CPC (source: EP)

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Cited by

CN106377003A; CN110846450A; CN108103680A; CN109881375A

Designated contracting state (EPC)

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**EP 2458053 A1 20120530; EP 2458053 B1 20140402**; CN 102560910 A 20120711; JP 2012110583 A 20120614; TW 201229349 A 20120716

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**EP 11190688 A 20111125**; CN 201110380530 A 20111125; JP 2010263934 A 20101126; TW 100143249 A 20111125