

Title (en)

Switchable needle bar drive device

Title (de)

Schaltbare Nadelstangen-Antriebsvorrichtung

Title (fr)

Dispositif d'entraînement de barre-aiguilles commutable

Publication

**EP 2206817 B1 20110622 (DE)**

Application

**EP 09177483 A 20091130**

Priority

DE 102009004219 A 20090109

Abstract (en)

[origin: EP2206817A1] The switchable needle bar drive apparatus has two needle bars (9,10) provided over a switching device. The needle bars are driven upward and downward in a sewing condition during the operation of the sewing machine (1). An upper guide section is provided with a lower guide edge, where a lower guide section is provided with an upper guide edge.

IPC 8 full level

**D05B 55/10** (2006.01); **D05B 55/14** (2006.01)

CPC (source: EP)

**D05B 55/10** (2013.01); **D05B 55/14** (2013.01)

Cited by

EP3088589A1; CZ308429B6

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2206817 A1 20100714; EP 2206817 B1 20110622**; AT E513942 T1 20110715; CN 101775713 A 20100714; CN 101775713 B 20130501; DE 102009004219 A1 20100715

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