

Title (en)
Tension/release mechanism for belt sander

Title (de)
Spann- und Lösevorrichtung für eine Bandschleifmaschine

Title (fr)
Mécanisme de tension/relâchement de ponceuse à courroie

Publication
EP 1905541 B1 20100714 (EN)

Application
EP 07252306 A 20070608

Priority
US 52877706 A 20060928

Abstract (en)
[origin: EP1905541A1] A belt sander (10) includes a mechanism (18,100) to apply and release tension to the roll of sandpaper used in the sander. A release arm (20,120) is rigidly connected to a rotational member (30,132) that is engageable with a support member (50,170) that is operatively connected to the front roller (60) of the sander. The rotational member is designed such that the rotation of the tension release arm creates longitudinal motion of the front roller to apply and remove tension from the endless roll of sandpaper to allow the user to selectively replace the roll of sandpaper.

IPC 8 full level
B24B 21/20 (2006.01); **B24B 21/18** (2006.01); **B24B 23/06** (2006.01)

CPC (source: EP US)
B24B 21/20 (2013.01 - EP US); **B24B 23/06** (2013.01 - EP US)

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DOCDB simple family (publication)
EP 1905541 A1 20080402; **EP 1905541 B1 20100714**; AT E473839 T1 20100715; AU 2007202266 A1 20080417; CN 101152704 A 20080402; DE 602007007700 D1 20100826; US 2008081544 A1 20080403

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EP 07252306 A 20070608; AT 07252306 T 20070608; AU 2007202266 A 20070521; CN 200710130258 A 20070717; DE 602007007700 T 20070608; US 92935207 A 20071030