

Title (en)
ROLL CUTTING APPARATUS

Title (de)
ROLLENSCHNEIDVORRICHTUNG

Title (fr)
APPAREIL A COUPER DE LA FEUILLE EN ROULEAU

Publication
EP 1635978 A4 20070613 (EN)

Application
EP 04754358 A 20040604

Priority

- US 2004017734 W 20040604
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- US 86162704 A 20040604

Abstract (en)
[origin: WO2005000543A2] Apparatus for cutting an industrial-size roll of paper or other sheet material into two or more rolls. The apparatus includes a circular saw with a radius large enough to cut through such a roll in a single cut, leaving press-ready rolls that require no finish-trimming on the ends. The saw blade is mounted in a saw frame that travels along a carriage and positions the blade at any desired cutting position on the roll. The apparatus includes a support bed and load-bearing arms for supporting the weight of a large roll and keeping it in position during the cutting operation. Load/unload tables and a system of kicking cylinders guide the roll onto and off of the support bed. The saw frame is a tower that positions the saw blade above the roll at the desired cutting position, or a floor frame that positions the saw along side or beneath the roll at the desired cutting position. The apparatus further includes a finishing station for sanding the ends of cut rolls.

IPC 8 full level
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B24B 7/16 (2013.01 - EP); **B24B 19/223** (2013.01 - EP); **B26D 1/01** (2013.01 - KR); **B26D 1/18** (2013.01 - EP KR); **B26D 3/16** (2013.01 - EP KR); **B26D 7/06** (2013.01 - KR); **B26D 7/0683** (2013.01 - EP)

Citation (search report)

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- See references of WO 2005000543A2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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