

Title (en)

JIG ASSEMBLY FOR SHARPENING MOWER BLADES

Title (de)

JIG MONTAGE ZUM SCHÄRFEN VON MÄHERMESSERN

Title (fr)

MONTAGE DE GABARIT POUR AFFÛTAGE DES LAMES DE TONDEUSE

Publication

**EP 3851245 A1 20210721 (EN)**

Application

**EP 21160765 A 20180302**

Priority

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- EP 18764937 A 20180302
- US 2018020636 W 20180302

Abstract (en)

A jig assembly for holding a mower blade and for controlling movement of a grinding tool having a grinding wheel during a sharpening operation on a cutting edge of the mower blade. The assembly comprises a mast, a fixture portion mounted to said mast, and a jig portion pivotally mounted to said mast. The fixture portion further comprises at least one stop limiting movement of the mower blade along a work-supporting surface. A leading edge of the mower blade rests against said stop during the sharpening operation. An intersection axis moves along an arcuate path in a second plane that is normal to said first plane, wherein said intersection axis and a fixture pivot axis are spaced a first distance from one another along a third axis normal to both of said intersection axis and said fixture pivot axis. During the pivoting movement of said fixture portion said intersection axis moves over a range of distances from said third plane, an absolute value of a distance between endpoints of said range defining a second distance, and wherein said second distance is less than one third of said first distance.

IPC 8 full level

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CPC (source: EP US)

**B24B 3/365** (2013.01 - EP US); **B24B 3/42** (2013.01 - EP); **B24B 23/005** (2013.01 - EP US); **B24B 41/06** (2013.01 - US)

Citation (applicant)

US 9102031 B2 20150811 - PAGE JAMES HERBERT [US]

Citation (search report)

- [A] US 2008210056 A1 20080904 - CLARK RANDEL R [US], et al
- [A] US 2627142 A 19530203 - PICKEL JAMES M

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DOCDB simple family (publication)

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