

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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- 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.

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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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