

Title (en)
CENTERLESS GRINDER

Title (de)
SCHLEIFMASCHINE ZUM SPITZENLOSEN SCHLEIFEN VON WERKSTÜCKEN

Title (fr)
RECTIFIEUSE SANS CENTRES

Publication
EP 1722922 B1 20070815 (EN)

Application
EP 04712663 A 20040219

Priority
IT 2004000072 W 20040219

Abstract (en)
[origin: WO2005080046A1] A centerless grinder has a stress structure including a machine bench, a template blade (5) mount for supporting the work-piece (W) and a regulating wheel (C) both mounted on a first carriage longitudinally movable by a first linear axis control device on said bench and means for advancing said regulating wheel (C) toward said template blade mount for bearingly engaging and spinning the supported work-piece (W), a grinding wheel (G) supported on said stress structure for removing stock from the surface of the supported work-piece spun by said regulating wheel (C) on said template blade (5), a first truing tool for periodically machining the cutting surface of said grinding wheel (G), mounted on said first carriage, sideway of one end of the regulating wheel, a second truing tool for periodically machining the surface engaging the work-piece of said regulating wheel (C), at the end of a pivoting arm, mounted sideway of the end to the grinding wheel (G) at the opposite side of said end of the regulating wheel (C), and means for swiveling the axis of said regulating wheel about the axis of said grinding wheel when grinding according to a through feed mode.

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