

Title (en)
FEELING DEVICE FOR AN AUTOMATIC BROACH SHARPENING MACHINE

Publication
EP 0072934 B1 19850508 (DE)

Application
EP 82106815 A 19820728

Priority
DE 3131511 A 19810808

Abstract (en)
[origin: US4514935A] A scanning device for a machine for the automatic sharpening of broaching or reaming tools has a horizontal slide for receiving a tool to be sharpened and a vertical slide having at least one grinding spindle. A scanning finger which can be moved approximately vertically relative to the scanning device is provided for ascertaining the position of a particular tooth and is coupled with at least one member which emits displacement-dependent signals for triggering drive mechanisms for the machine slides. In order to enable a substantially arbitrary, yet precise, guidance of the scanning finger in order to ascertain dimensions which are of importance for the geometry of the tool, the scanning finger is attached on one of two slides which are displaceable at right angles relative to one another and a displacement pickup is associated with each slide for detecting the displacement distance from a position of rest traveled by respective slide.

IPC 1-7
B24B 3/16

IPC 8 full level
B24B 3/16 (2006.01)

CPC (source: EP US)
B24B 3/16 (2013.01 - EP US)

Cited by
EP0665084A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0072934 A2 19830302; EP 0072934 A3 19830518; EP 0072934 B1 19850508; AT E13151 T1 19850515; DE 3131511 A1 19830217; DE 3131511 C2 19910214; DE 3263674 D1 19850613; US 4514935 A 19850507

DOCDB simple family (application)
EP 82106815 A 19820728; AT 82106815 T 19820728; DE 3131511 A 19810808; DE 3263674 T 19820728; US 39988582 A 19820716