

Title (en)

TOOL RETRACTION DEVICE ON A MACHINE TOOL

Publication

EP 0000294 B1 19801029 (FR)

Application

EP 78400002 A 19780601

Priority

FR 7719614 A 19770627

Abstract (en)

[origin: ES469389A1] An apparatus for retracting the tool from a machined piece on a machine comprising a movable assembly for holding the tool or the piece having a guide means for taking up play by lateral biasing. This apparatus involves means intended for providing lateral displacement of the said movable assembly away from its position for taking up play so as to separate the tool from the piece after machining. For a machine tool with an indexable rotating tool-holding spindle, the tool is indexed in a plane approximately parallel to that of the means for taking up play prior to activation of the above mentioned means which is utilized to separate the tool from the piece.

IPC 1-7

B23Q 1/26

IPC 8 full level

B23Q 1/26 (2006.01); **B23Q 1/68** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

EP 0000294 A1 19790110; **EP 0000294 B1 19801029**; DE 2860250 D1 19810129; ES 469389 A1 19790216; FR 2395811 A1 19790126; FR 2395811 B1 19821029; IT 1108557 B 19851209; IT 7868396 A0 19780615; JP S5411580 A 19790127; US 4737054 A 19880412

DOCDB simple family (application)

EP 78400002 A 19780601; DE 2860250 T 19780601; ES 469389 A 19780503; FR 7719614 A 19770627; IT 6839678 A 19780615; JP 5076978 A 19780501; US 47473283 A 19830314