

Title (en)
FIXING DEVICE

Title (de)
BEFESTIGUNGSEINRICHTUNG

Title (fr)
DISPOSITIF DE FIXATION

Publication
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Application
EP 02719656 A 20020302

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Abstract (en)
[origin: US2005075059A1] The aim of the invention is to fix or detach tools (23, 38) comprising a disc-shaped tool body (21, 28), in particular cutting discs, rough-grinding discs or fan grinding discs, to or from a machine tool, in a simple manner, without involving complex and expensive resources. To achieve this, the invention provides a fixing device (1, 32), in addition to a tool that is designed to interact with the fixing device and has a disc-shaped tool body with a central opening, which together form a clamping system. According to the invention, the fixing device, which can be mounted onto a machine tool, or is attached to the machine tool in a fixed manner, comprises at least one radially outward-facing projection (5) of a lock that can be operated in the absence of a tool, said lock detachably connecting the fixing device to the tool. In the locked position, the radially outward-facing projection or projections (5) of the fixing device (1, 32) fits/fit over an inward-facing locking surface (22) of the tool, thus axially securing the tool body and mounting the latter so that it can rotate in a fixed manner. The radially outward-facing projection(s) (5) and a bearing surface (7, 35), on which the tool lies, are arranged so that they can be displaced axially in relation to one another, whereby said axial displacement path can be blocked by a centrifugal-force assembly (14, 17; 41, 43).

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