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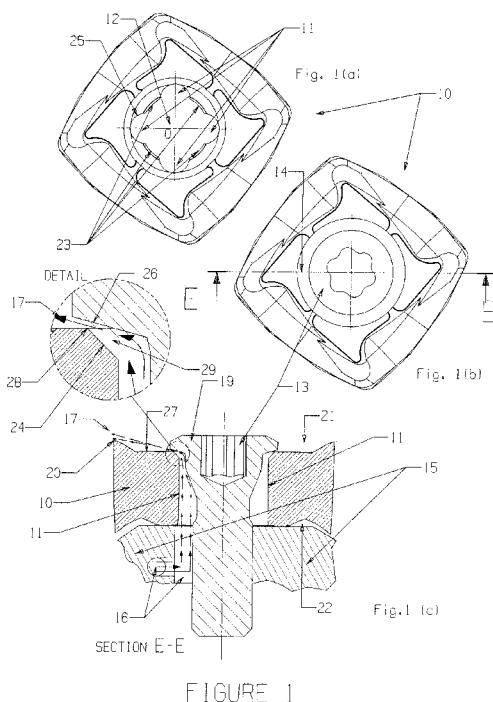
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(54) Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING



(57) Abstract: A cutting tool comprises a cutting insert (10), a tool holder (15), and a fastener (13). The cutting insert (10) comprises a cutting edge (20) and a fastener bore (12) adapted to accept a fastener (13) for fastening together the cutting insert (10) and tool holder (15). A coolant flow recess (11) in the fastener bore (12) is adapted to direct coolant through the coolant flow recess (11) and toward a head portion (19) of the fastener (13). The tool holder (15) comprises an insert pocket (22) adapted to removably fasten the cutting insert (10) and fastener (13) to the tool holder (15), and a coolant bore (16) adapted to direct the coolant from the tool holder (15) to the coolant flow recess (11) of the fastener bore (12). The head portion (19) of the fastener (13) and the coolant flow recess (11) of the fastener bore (12) define a gap that directs the coolant (17) to the cutting edge (20) of the cutting insert (10).



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