

Title (en)  
COMPRESSED AIR NAIL GUN WITH SAFETY VALVE ASSEMBLY

Title (de)  
DRUCKLUFTNAGLER MIT SICHERHEITSVENTILANORDNUNG

Title (fr)  
CLOUEUR À AIR COMPRIMÉ POURVU D'UN SYSTÈME DE SOUPAPE DE SÉCURITÉ

Publication  
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Application  
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Abstract (en)  
[origin: WO2019086180A1] The invention relates to a pneumatic nail gun (10), comprising a working piston (52), which is connected to a driving ram (50) for driving in a fastening means and to which compressed air is applied when a drive-in process is triggered, a triggering valve (22), which has a valve sleeve (44) and a valve pin (42) guided in the valve sleeve (44), a control line (82), which is filled with air or emptied of air by means of the triggering valve (22) in order to trigger a drive-in process, when the valve pin (42) is moved into an actuated position relative to the valve sleeve (44), a trigger (14), a contact sensor (24) and a switching surface (40) coupled to the trigger (14) and/or to the contact sensor (24), for actuating the valve pin (42), an outer sleeve (60), in which the valve sleeve (44) is guided, the valve sleeve (44) being movable relative to the outer sleeve (60) between a triggering position and a blocking position in accordance with a pressure in a safety control chamber (62), the switching surface (40) being coupled to the trigger (14) and/or to the contact sensor (24) in such a way that the switching surface is always in a predefined switching position relative to the outer sleeve (60) when both the trigger (14) and the contact sensor (24) are actuated, in the switching position, the switching surface (40) being arranged in such a way that the switching surface moves the valve pin (42) into the actuated position when the valve sleeve (44) is in the triggering position and that the switching surface does not move the valve pin (42) into the actuated position when the valve sleeve (44) is in the blocking position.

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