

Title (en)  
PNEUMATIC GUN WITH CO2 CARTRIDGE

Publication  
**EP 0081097 A3 19830907 (DE)**

Application  
**EP 82110455 A 19821112**

Priority  
DE 3147068 A 19811127

Abstract (en)  
[origin: EP0081097A2] In a CO2 firearm, the connection for the CO2 capsule is connected directly to the barrel, and the non-return valve of the CO2 capsule is used directly as a valve for proportioning the gas quantity to be introduced into the barrel for firing. The striker of the firearm therefore acts directly on this valve, if appropriate via a tappet. A CO2 capsule designed for use in such a firearm has as a non- return valve a disc valve which is brought into the closing position and held therein solely by the gas pressure. An adaptor for connecting such a capsule to a supply bottle can contain a sealing body which essentially fills the connection piece of the supply bottle in order to keep the dead space between the valve of the supply bottle and the non-return valve of the CO2 capsule as small as possible. The striker acting directly on the non-return valve of the CO2 capsule can be arranged such that, before striking against the tappet for opening the non-return valve, it is released by the striker spring which previously comes to bear against a stop fixed to the housing. A detent member, preferably in the form of a slide, can then also be arranged in the path of the striker and catches the striker before it comes up against the tappet, in order to allow training as near to actual conditions as possible. Finally, such a CO2 firearm can be equipped with a vertically adjustable sight, in which a pivotably mounted sight carrier is supported on a wedge piece which is transversely adjustable by means of a setscrew and which is itself supported by means of an oblique surface on the obliquely cut-off end of the leg of a leaf spring which is bent in the form of a U and the other leg of which acts on the sight carrier and presses the sight carrier via the wedge piece against the supporting part formed by the leg of the leaf spring. <IMAGE>

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IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
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**EP 0081097 A2 19830615**; **EP 0081097 A3 19830907**; DE 3147068 A1 19830609; FI 823865 A0 19821110; FI 823865 L 19830528; NO 823981 L 19830530

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**EP 82110455 A 19821112**; DE 3147068 A 19811127; FI 823865 A 19821110; NO 823981 A 19821126