

Title (en)
PNEUMATIC KNOCKER

Publication
EP 0345481 A3 19901205 (DE)

Application
EP 89108537 A 19890512

Priority
DE 3819111 A 19880604

Abstract (en)
[origin: JPH0224070A] PURPOSE: To lessen the number of the part items of a knocking device by integrally forming an air duct within a housing in the form of one air passage to make the cover of the air duct separate from a valve chamber and arrange at a space from a top wall part, and moreover arranging a control diaphragm in a valve hole communicated by a communicational hole. CONSTITUTION: An air duct 14 is integrated in a housing 1, in the form of at least one air passage extending nearly crossing the height H of a housing 1 integrated with the top wall part 20 of the duct 14. The cover 3 of the duct 14 is separated from a valve chamber 15 to be arranged at a space from the wall part 20, and a valve hole 21 communicated by a connecting hole 8 is provided. In addition, a control diaphragm 11 is movably arranged, so as to open a chamber 22 under a piston 2 to outside, in the hole 21 by facing the diaphragm 11 to a hole 10 in the top wall part 20 to close the hole 10.

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B65D 88/70

IPC 8 full level
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CPC (source: EP US)
B65D 88/66 (2013.01 - EP US)

Citation (search report)
• [Y] DE 2549551 A1 19770518 - NETTER FA J
• [Y] DE 1728071 A1 19720203 - IRMER & ELZE MASCHINENFABRIK
• [A] DE 342042 C 19211012 - BOEHLER & CO AKT GES GEB

Cited by
US4698378A; CN115283110A

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CH DE ES FR GB LI NL SE

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