

Title (en)

Fast dosing valve for mounting at inlet and outlet parts of ventilation installations.

Title (de)

Schnellschlussventil zur Anordnung an Ansaug- und Ausblasöffnungen von Belüftungsanlagen.

Title (fr)

Soupape à fermeture rapide pour montage aux orifices d'entrée et de sortie d'installations de ventilation.

Publication

**EP 0598210 B1 19950927 (DE)**

Application

**EP 93116114 A 19931006**

Priority

DE 4238942 A 19921119

Abstract (en)

[origin: US5351933A] The present invention is concerned with a quick-acting gate valve for installation on intake and exhaust openings of ventilation systems, in particular, of rapid railway vehicles, comprising a frame containing at least one passage slot provided with an adjustable closure element which relative to the passage slot can be placed into closed and open positions by a servo drive controlled in response to air pressure. In order to permit actuation of a quick-acting gate valve of this type substantially in a friction-free manner during opening and closing, the valve, in the practice of the invention, is so designed that the edges laterally confining the at least one passage slot relative to the in-flow direction are of a convex curvature. Behind the edges, the closure element is designed and arranged in the form of a similarly convex yet lesser curved leaf spring, the length of which corresponds at least to the length of the convex-curved edges of the passage slot. One end of the leaf spring is held on the frame while the other end thereof is displaceably guided on the frame.

IPC 1-7

**B61D 27/00**; F16K 17/00

IPC 8 full level

**B61D 27/00** (2006.01); **F24F 13/10** (2006.01)

CPC (source: EP KR US)

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Cited by

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AT ES FR GB IT

DOCDB simple family (publication)

**US 5351933 A 19941004**; AT E128423 T1 19951015; CN 1030495 C 19951213; CN 1088882 A 19940706; DE 4238942 C1 19940105; EP 0598210 A1 19940525; EP 0598210 B1 19950927; ES 2078786 T3 19951216; KR 100286852 B1 20010416; KR 940011273 A 19940620

DOCDB simple family (application)

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