

Title (en)

LOW-PRESSURE CONNECTION FOR MOULDS CONSOLIDATED UNDER VACUUM

Publication

EP 0078897 B1 19860416 (DE)

Application

EP 82108197 A 19820906

Priority

DE 3144118 A 19811106

Abstract (en)

[origin: EP0078897A1] 1. A low pressure coupling for the connection to an low pressure system of mould boxes for moulds compacted under vacuum with a valve body (2) which is movably guided on a rod (5) and acted upon by a preloading force in the direction of the mould box (30) and which, facing the mould box, has a connection opening surrounded by a seal (35) and between the latter and a low pressure connection (3), comprises a valve (10) which is formed by a valve seat (9) in the valve body (2) and a valve disc (8) carried by the rod (5), which is held closed by the preloading force and which opens upon a relative movement of the valve body (2) with respect to the rod (5) caused by the coupling being pressed against the mould box (30) and directed counter to the preloading force, characterised in that a piston (17) operating in a pressure medium cylinder (19) is connected to the rod (5) and that by pressure medium acting on at least one face of the piston the rod (5), together with the valve body (2), can be moved towards the mould box (30) or away therefrom.

IPC 1-7

B22C 9/00; **B22C 15/22**; **B22C 25/00**; **F16L 37/00**; **B22C 9/02**

IPC 8 full level

B22C 9/00 (2006.01); **B22C 9/02** (2006.01); **B22C 9/03** (2006.01); **B22C 25/00** (2006.01); **F16L 37/00** (2006.01)

CPC (source: EP)

B22C 9/03 (2013.01)

Cited by

US4840416A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0078897 A1 19830518; **EP 0078897 B1 19860416**; AT E19211 T1 19860515; DE 3144118 A1 19830519; DE 3144118 C2 19890921; DE 3270639 D1 19860522

DOCDB simple family (application)

EP 82108197 A 19820906; AT 82108197 T 19820906; DE 3144118 A 19811106; DE 3270639 T 19820906