

Title (en)
Breathing regulator having air injector feature.

Title (de)
Atemregulator mit Luftinjektion.

Title (fr)
Régulateur respiratoire à injection d'air.

Publication
EP 0534741 A1 19930331 (EN)

Application
EP 92308679 A 19920924

Priority
US 76605491 A 19910926

Abstract (en)
A breathing system regulator (10) for a demand breathing system has adjusting apparatus (50, 52, 54) for adjusting the demand required to open the air inlet valve (32) to permit the user to increase or decrease the tension on the biasing spring (40) urging the valve (32) closed, and to decrease or increase the cushioning effect of a stream of air urging the valve closed. Adjusting apparatus is provided in which an air injector device (10) is adjustably positioned to direct a flow of air between positions for adjusting the pressure at the inlet valve side of the regulator diaphragm (18) to control the amount of breathing effort required of the user to open the air inlet valve (32). <IMAGE>

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B63C 11/22

IPC 8 full level
B63C 11/16 (2006.01); **B63C 11/22** (2006.01)

CPC (source: EP)
B63C 11/2227 (2013.01)

Citation (search report)
• [X] US 3783891 A 19740108 - CHRISTIANSON R
• [Y] WO 9014990 A1 19901213 - PREECE T D & CO PTY LTD [AU]
• [A] FR 2367655 A1 19780512 - SPIROTECH IND COMMERC [FR]

Cited by
EP4238864A1; IT202200003899A1

Designated contracting state (EPC)
FR GB IT

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EP 0534741 A1 19930331; EP 0534741 B1 19961113; JP 2764779 B2 19980611; JP H05201384 A 19930810

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EP 92308679 A 19920924; JP 29758992 A 19920926