



(51) International Patent Classification:

F24F 13/28 (2006.01) *F24F 13/08* (2006.01)
F24F 13/068 (2006.01) *F24F 13/18* (2006.01)

(21) International Application Number:

PCT/CA2010/001695

(22) International Filing Date:

27 October 2010 (27.10.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2,693,210 17 February 2010 (17.02.2010) CA

(71) Applicant (for all designated States except US): **BORDIN RACING LIMITED** [CA/CA]; 35 Siltan Road, Woodbridge, Ontario L4L 7Z8 (CA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BORDIN, Andrew** [CA/CA]; 35 Siltan Road, Woodbridge, Ontario L4L 7Z8 (CA).

(74) Agents: **HALL, Warren, S.** et al.; c/o DENNISON ASSOCIATES, 133 Richmond Street West, Suite 301, Toronto, Ontario, M5H 2L7 (CA).

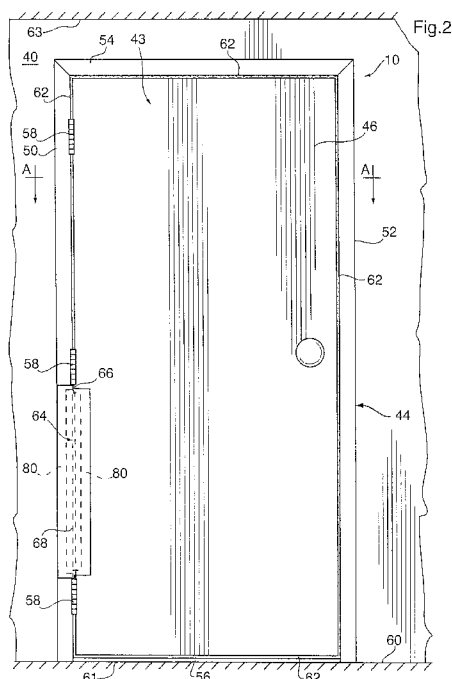
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: AIR FILTRATION SYSTEM FOR AN INTERIOR DOOR OF A BUILDING



(57) Abstract: An air filter system and an air filter therefor are provided for use in a building with first and second zones separated by a wall-door system having a wall with a door therein. Weatherstripping is mounted between side and upper edges of the door and a door frame in the wall and between the lower edge of the door and the threshold region of the floor to substantially seal against air flow between the door edges and the door frame and floor when the door is closed. An air flow permitting opening is provided in the wall-door system, sized to permit a controlled amount of airflow between the first and second zones when there is a pre-determined pressure differential between said zones. An air filter is mounted in such opening.