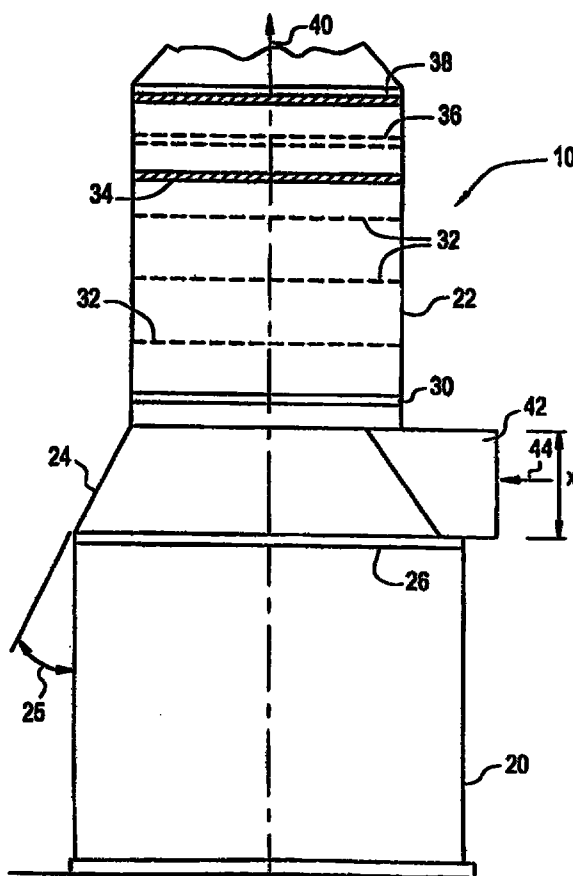


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(21) International Application Number: PCT/IB99/00381 (22) International Filing Date: 8 February 1999 (08.02.99) (30) Priority Data: 09/022,136 11 February 1998 (11.02.98) US (71) Applicant: THE BABCOCK & WILCOX COMPANY [US/US]; 1450 Poydras Street, P.O. Box 60035, New Orleans, LA 70160-0035 (US). (72) Inventors: GOHARA, Wadie, F.; 329 Ford Avenue, Barberton, OH 44203 (US). HALL, William, H.; 1079 Federal Avenue, Alliance, OH 44601 (US). PIASKOWSKI, Edward, J.; 9044 Wall Street, N.W., Massillon, OH 44646 (US). (74) Agent: MARICH, Eric; McDermott Incorporated, Patent Dept., 20 S. Van Buren Avenue, Barberton, OH 44203 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: LOW PRESSURE DROP INLET DESIGN TO PROMOTE GOOD GAS FLOW PATTERNS IN HIGH VELOCITY ABSORBERS (57) Abstract <p>A high velocity absorber (10) has a lower larger diameter tank section (20) for receiving a slurry at a liquid level (26) in the tank section (20), an upper smaller diameter absorber section (22) where liquid scrubbing agent is mingled with flue gas (44) from which impurities are to be absorbed, and a low pressure drop inlet assembly having a transition structure (24) between the tank section (20) and the absorber section (22) for closing a gas flow path and a liquid flow path between the tank section (20) and the absorber section (22). An inlet housing (42) is connected to and communicates with the transition structure (24) for inlet of flue gas (44) into the transition structure (24) between the tank section (20) and the absorber section (22).</p> <div data-bbox="893 1187 1468 2060">  </div>		