

9705983-6

RTMP's

copy.

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(51) International Patent Classification <sup>6</sup> :<br/><b>A47B 57/10, 57/26</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p><b>A1</b></p> | <p>(11) International Publication Number: <b>WO 97/00033</b></p> <p>(43) International Publication Date: <b>3 January 1997 (03.01.97)</b></p>                                                                                                                                                                                                                              |
| <p>(21) International Application Number: <b>✓ PCT/US96/10356</b></p> <p>(22) International Filing Date: <b>✓ 14 June 1996 (14.06.96)</b></p> <p>(30) Priority Data: <b>✓ 60/000,227</b> <b>✓ 15 June 1995 (15.06.95)</b> <b>US</b></p> <p>(71) Applicant (for all designated States except US): <b>INTERMETRO INDUSTRIES CORPORATION [US/US]; 651 N. Washington Street, Wilkes-Barre, PA 18705 (US).</b><br/><i>see PCT/10/306.</i></p> <p>(72) Inventors; and<br/>(73) Inventors/Applicants (for US only): <b>SWARTZ, Robert, K. [US/US]; 290 Huntsville Road, Dallas, PA 18612 (US).</b><br/><b>SICKLES, Willard, J. [US/US]; R.R. 2, Box 304, Dalton, PA 18414 (US).</b><br/><b>WELCH, Robert, J. [US/US]; 4 Meadow Avenue, Dallas, PA 18612 (US).</b><br/><b>FALLON, Paul, J. [US/US]; 330 Mountain Oaks Drive, Wilkes-Barre, PA 18702 (US).</b></p> <p>(74) Agent: <b>MALPEDE, Scott, D.; Fitzpatrick, Cella, Harper &amp; Scinto, 277 Park Avenue, New York, NY 10172 (US).</b></p> |                  | <p>(81) Designated States: <b>AU, BR, CA, JP, SG, US</b>, European patent (AT, BE, CH, DE, DK, ES, FI, <del>FR</del> GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p><b>Published</b></p> <p><i>With international search report.<br/>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> |
| <p>(54) Title: <b>SUPPORT SYSTEM WITH QUICK-ADJUST SUPPORT ASSEMBLY</b> <b>✓</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                                                                                                                                                                                                                                                                                                                                                                            |
| <p>(57) Abstract</p> <p>A shelf support system includes at least one support post (12), a tapered wedge member (20) located on the support post (12) and a supporting assembly (14). The supporting assembly (14) is structurally secured to a shelf frame (10) and includes a locking mechanism (18) rotatably supported by a collar (16). The locking mechanism (18) has a first position for press-fitting the wedge member (20) against the support posts (12) and a second position for allowing the shelf frame (10) to slide over the support post (12) and wedge member (20).</p>                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                                                                                                                                                                                                                                                                                                                                                                            |