

Title (en)
CO-AXIAL JOINT SYSTEM

Title (de)
KOAXIALES VERBINDUNGSSYSTEM

Title (fr)
SYSTEME DE JONCTION COAXIALE

Publication
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Application
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Abstract (en)
[origin: WO0104430A1] The present invention is directed toward a novel moment resisting connection system (12), the Co-Axial Joint (CAJ) System, and a method of assembling the moment resisting connection system for use in diverse areas of architectural design, fabrication, engineering, and field erection of lattice structures. A given CAJ System connection (12) is comprised of a framing member (15), a block connector (14), an end cap (19), an end cap-block connector attachment means (20), and a sleeve (18). The end cap, movably attached to the block connector, is connected to both the sleeve and framing member. To assemble the CAJ System, a sleeve (18) is slid onto a framing member (15) and positioned at the end of the member. The framing member (15) is then positioned relative to the block connector (14). Attached to the block connector is an end cap (19) which is made to align with the framing member. The end cap-block connector attachment means (20), typically a bolt, acts to absorb the tensile forces exerted on to the system without compromising the member-block connector connection. Once aligned, the end cap (19) is shifted upwards and connected to the end of the frame member (15). The sleeve (18) is then slid over the end cap (19), toward the block connector (14), and attached to the end cap in a position in which the sleeve acts to absorb compression forces exerted on to the framing member and to transfer such forces to the block connector without compromising the member-block connector connection.

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