Title: STABLE SELF-BALANCING SYSTEM FOR BUILDING COMPONENT

Titre : SYSTEME A AUTOEQUILIBRE STABLE POUR ELEMENT DE CONSTRUCTION

Abstract: The invention concerns a criss-cross system, comprising surface layers (1, 2), delimiting its opposite surfaces, each layer including a set of criss-crossed cables (3-4, 5-6) forming an organised network of nodes (7, 8) whereon are articulated the ends of rigid rods (9), providing the link between the layers, said rods, associated with pull wires (10), forming in the space between the layers a plurality of spacers. Each of the spacers comprises two bundles consisting each of at least two rods converging towards and assembled by one common end to a node of a layer, their opposite ends being linked to neighbouring nodes of the other layer. Furthermore, each pull wire is arranged between two nodes belonging to the two bundles, said pull wire being tensioned to exert on the rods a compressive force and likewise tension the criss-crossed cables at the nodes of the layers, globally providing the assembly with stable self-balance.