

Title (en)

CURVED AND/OR SPHERICAL ELEMENT FOR A SKATING RING

Title (de)

KURVEN- UND/ODER KUGEELEMENT FÜR EINE SKATEAUFLAGE

Title (fr)

ELEMENT COURBE OU SPHERIQUE POUR UNE PISTE DE GLISSE

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Abstract (en)

[origin: US6470631B1] The invention includes methods and apparatus for fabricating a skating ring. One such apparatus is a curved element for skating rings which includes a plurality of vertical support ports which are adapted to any curve shape. The apparatus further includes a plurality of horizontally arranged ribs and abutting double-curved shell segments made of several plane-like wood layers which are glued to each other. By being fixed to the support elements and ribs, the shell segments form a skating surface to be ridden on by skaters or the like. The shell segments are pre-shaped as at least one of single- or double-curves such that they can be fixed essentially stress-free onto the support elements and ribs. One method of the present invention includes a method for manufacturing shell segments for curve elements for skating rings. The shell segments include a plurality of plane-like layers of wood. The method includes the steps of bending each individual layer of wood into the final shape, stacking the individual bent layers of wood to manufacture a shell segment, and joining the individual stacked layers of wood without the application of stress.

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