

Title (en)  
Self-clamping refractory plate

Title (de)  
Selbstspannende feuerfeste Platte

Title (fr)  
Plaque réfractaire auto-serrante

Publication  
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Application  
**EP 98119428 A 19981015**

Priority  
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Abstract (en)  
A self-clamping plate for use in a slide gate mechanism is described. The plate comprises a refractory plate having at least one sliding surface and a metal sheath around the peripheral edge of the plate. The metal sheath is adapted to secure the plate to the slide gate mechanism using at least two lugs cooperating with corresponding indentations. The lugs may be arranged or shaped to prevent misinsertion of the plate in the slide gate mechanism. An alternative embodiment describes a metal clamping ring having an inner chamfered edge mated to a similarly chamfered edge on the peripheral edge of a refractory plate. An outer edge of the clamping ring is adapted to be secured to the slide gate mechanism by at least two lugs cooperatively engaging corresponding indentations. A mounting means urges together the chamfered edges of the clamping ring and the refractory plate. <IMAGE>

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Citation (search report)  
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• [A] US 4840296 A 19890620 - OTSUKA TAKASHI [JP], et al

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