

Title (en)

Improved hex mesh for reinforcement of monolithic refractory linings for petrochemical plants, chimneys, cyclone-reactors and the like.

Title (de)

Hexagonales Gitter zur Verstärkung monolithischer feuerfester Auskleidungen für petrochemische Anlagen, Schornsteine, Cyclone und ähnliche Einrichtungen.

Title (fr)

Grille hexagonale pour le renforcement des revêtements monolithiques d'installations pétrochimiques, de cheminées, de réacteurs cycloniques et autres usages similaires.

Publication

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Application

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Priority

IT 2326784 A 19841022

Abstract (en)

In a hex-mesh structure (GR) as for example the type described in Patent Application Nr. 25730 A/81 by the same inventor, the shaped strip elements, which form the four sides not provided with fastening prongs (LI) for making connections, have special punched-out portions (TC) instead of a slot. The special shape's minimum moment of interdia provides reduce stiffness for the hexagonal structure and avoids the formation of gabs between the fastened portions which are difficult to fill with refractory material when installation is carried out on cylindrical surfaces having small radii, or tapered surfaces or any kind of spherical surface.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

[A] AT 374917 B 19840612 - PLIBRICO AUSTRIA [AT]

Cited by

WO2014009625A1; US7178299B2; EP0273621A1; FR3064207A1; US2013108519A1; CN103906564A; US9662627B2; FR2719888A1; BE1008428A3; EP1528343A1; FR2993201A1; JP2015524859A; RU2623267C2; US7552566B2; WO2018172478A1; US10799846B2; WO2017076855A1; US11266967B2; WO2005043058A3; US7805945B2; US8857190B2; KR20150036504A; US9861949B2; US7540710B2

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