

Title (en)

VELOCITY SELECTOR FOR THE MONOCHROMATIZATION OF A NEUTRON BEAM

Title (de)

GESCHWINDIGKEITSSELEKTOR ZUR MONOCHROMATISIERUNG EINES NEUTRONENSTRAHLS

Title (fr)

SELECTEUR DE VITESSE UTILISE POUR RENDRE UN RAYONNEMENT NEUTRONIQUE MONOCHROME

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Application

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Abstract (en)

[origin: WO0046812A2] The invention relates to a velocity selector comprising a drive unit which has a horizontally disposed shaft. The velocity selector also comprises a rotor which is mounted on said shaft. Twisted fins are arranged in an interspaced manner on the longitudinal axis of said rotor and form through slots for neutrons. The inventive velocity selector is characterized in that the fins are comprised of an alloy which absorbs neutrons, especially of an Mg-Li alloy.

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