

Title (en)  
POLYMER FOAM ARTICLES AND METHODS OF MAKING POLYMER FOAMS

Title (de)  
POLYMERSCHAUMSTOFFARTIKEL UND VERFAHREN ZUR HERSTELLUNG VON POLYMERSCHAUMSTOFFEN

Title (fr)  
ARTICLES EN MOUSSE DE POLYMÈRE ET PROCÉDÉS DE FABRICATION DE MOUSSES DE POLYMÈRE

Publication  
**EP 4363493 A1 20240508 (EN)**

Application  
**EP 21778681 A 20210907**

Priority  
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Abstract (en)  
[origin: WO2023277935A1] Molded polymer foam articles are described as having a novel foam structure. The polymer foam articles include a continuous polymer matrix defining a plurality of pneumatocoles therein which is present throughout the entirety of the article. The surface region is further characterized as having compressed pneumatocoles. The novel foam structure is achieved even when molding polymer foam articles comprising a shape and volume wherein a sphere having a diameter between 2 cm and 1000 cm would fit within the article in at least one location without protruding from a surface of the article, and the article further has a total volume of more than 1000 cm<sup>3</sup>. Methods of making a stabilized molten polymer foam, and of making a molded polymer foam article using the stabilized molten polymer foam are also described.

IPC 8 full level  
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