

Title (en)

Method for manufacture of articles in foraminous sheet materials

Title (de)

VERFAHREN ZUR HERSTELLUNG VON GEGENSTÄNDEN AUS DURCHLÖCHERTEN PLATTENMATERIALEN

Title (fr)

PROCEDE DE FABRICATION D'ARTICLES EN MATERIAUX DE FEUILLES POREUSES

Publication

EP 1044740 A2 20001018 (EN)

Application

EP 00102519 A 20000207

Priority

GB 9906375 A 19990318

Abstract (en)

A method of producing cylindrical expanded metal sections is disclosed wherein a sheet of metal is continuously punched between interlocking discs to create staggered rows of slits. The sheet is only punched between its edges at which unpunched margins are defined. The sheet is expanded laterally and provided with oppositely formed interlocking formations in the unpunched margins, and then the sheet is helically wound over a former with the interlocking formations on opposite margins of the sheet being interlocked on the former as the said two opposite margins are brought together as a result of the helical winding. A compression means is provided immediately behind the interlocking region on the former to create a helical seam. The cylindrical expanded metal section is moved along the former and eventually cut into lengths by a cylindrical cutter. The formation of expanded metal sections in this manner prevents the creation of swarf when the section is cut to length, as previously only the expanded metal strands were provided with interlocking formations, and cutting through these often produced unwanted loose swarf or metal cuttings. <IMAGE>

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