

Title (en)
Polyurethane foam innersole and manufacturing method

Title (de)
Polyurethan-Schaum-Einlegesohle und Verfahren zu ihrer Herstellung

Title (fr)
Semelle intérieure en polyuréthane et procédé de fabrication

Publication
EP 1602294 A1 20051207 (DE)

Application
EP 04013044 A 20040602

Priority
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Abstract (en)
An insole has an injection-molded rigid core (2) of thermoplastic polyurethane, which is surrounded on all sides by polyurethane foam (3). The core (2) extends from the middle part up to the heel and has holes (4) of 5 to 10 mm diameter. At the heel is an oval hole (5) with a major axis of 30 to 50 mm. One of the holes (6) can form part of the location arrangements in the mold. An independent claim is also included for the manufacturing process of locating the pre-fabricated core in a mold by means of three pegs (6) and surrounding it with polyurethane foam. At least one of the pegs has a thickened head like a press-stud and is removable.

Abstract (de)
Die Erfindung betrifft eine Polyurethan (PU)-Schaum-Einlegesohle aus einem harten Kernteil, das als Formteil aus thermoplastischem Polyurethan ausgebildet und allseitig mit Polyurethanschaumstoff ummantelt ist. <IMAGE>

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IPC 8 full level
A43B 7/22 (2006.01); **A43B 13/12** (2006.01); **A43B 17/00** (2006.01); **A43B 17/14** (2006.01); **B29D 35/12** (2010.01)

CPC (source: EP)
A43B 13/10 (2013.01); **A43B 13/12** (2013.01); **A43B 17/003** (2013.01); **A43B 17/14** (2013.01)

Citation (applicant)
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