

Title (en)

PROCESS FOR PRODUCING AN AIR MATTRESS WITH A PUMP PART AND A PART TO BE INFLATED

Title (de)

VERFAHREN ZUM HERSTELLEN EINER LUFTMATRATZE MIT EINEM ALS PUMPE WIRKENDEN TEIL UND EINEM DURCH DIE PUMPE AUFZUPUMPENDEN TEIL

Title (fr)

PROCEDE DE FABRICATION D'UN MATELAS GONFLABLE AVEC UNE PARTIE POMPE ET UNE PARTIE A GONFLER

Publication

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Application

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Abstract (en)

[origin: US5746873A] PCT No. PCT/EP94/03451 Sec. 371 Date Nov. 27, 1996 Sec. 102(e) Date Nov. 27, 1996 PCT Filed Oct. 20, 1994 PCT Pub. No. WO95/28112 PCT Pub. Date Oct. 26, 1995The invention relates to a method of producing an air mattress, which comprises a pump part and a part, which is to be pumped up. A propellant is disposed in the pump part and the wall, which separates the pump part from the part, which is to be pumped up, has a one-way valve and a small opening, through which air can flow back from the part, which is to be pumped up, into the pump part. An inlet opening is disposed in the pump part and an outlet opening is disposed in the part, which is to be pumped up. Pursuant to the invention, a metallic tool is used for welding the pump part wall between the upper and lower covering skins of the air mattress. The tool forms one part of a high-frequency welding machine, having two plates, which lie against the outside of the covering skins. The tool is removed before the edge seals of the air mattress are produced. When the pump part is disposed within the air mattress, a dividable tool is used.

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US 5746873 A 19980505; AT E171050 T1 19981015; AU 7938894 A 19951110; CA 2188265 A1 19951026; DE 4413445 A1 19951019; DE 4413445 C2 19960201; DE 59406944 D1 19981022; EP 0756466 A1 19970205; EP 0756466 B1 19980916; ES 2124432 T3 19990201; GB 2288567 A 19951025; GB 2288567 B 19971112; GB 9421865 D0 19941214; JP H10501427 A 19980210; KR 970702003 A 19970513; WO 9528112 A1 19951026

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