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(54) Title: AN APPARATUS AND METHOD FOR PRODUCING FIBRES

(57) Abstract: Apparatus and methods for electrospinning and/or electrospray are disclosed. The apparatus and methods are provided for electrospinning of fibre, or deposition of droplets on a surface by electrospraying. The apparatus comprises: a band tensioned between first and second rollers and curved around the rollers, an electric field generator for providing an electric field between an electrospinning zone at the first roller and a counter electrode, and a bath for containing liquid arranged to wet the band or regions of the band as it passes around the second roller. The band is arranged to transport liquid from the bath to the electrospinning zone for the production of fibres in said zone. The electric field generator may be arranged to provide an electric field between the counter electrode and the surface of the band where it is curved around the first roller.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
D01D D01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/016601 A1 (SANDLER HELMUT HELSA WERKE [DE]; CZADO WOLFGANG [DE]) 27 February 2003 (2003-02-27) page 3, line 17; claims 1, 5; figures 1,3 page 9, line 20 - line 25	1-50
X	DE 101 36 255 A1 (SANDLER HELMUT HELSA WERKE [DE]) 20 February 2003 (2003-02-20) paragraphs [0007], [00 8]; claims 1-9; figure 1	1-31,35, 37-50
A	WO 2007/137530 A2 (ELMARCO S R O [CZ]; PETRAS DAVID [CZ]; MARES LADISLAV [CZ]; CMELIK JAN) 6 December 2007 (2007-12-06) the whole document	1-50
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See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2006/131081 A1 (ELMARCO S R O [CZ]; PETRAS DAVID [CZ]; MARES LADISLAV [CZ]; STRANSKA D) 14 December 2006 (2006-12-14) the whole document -----	1-50

INTERNATIONAL SEARCH REPORT

Information on patent family members

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