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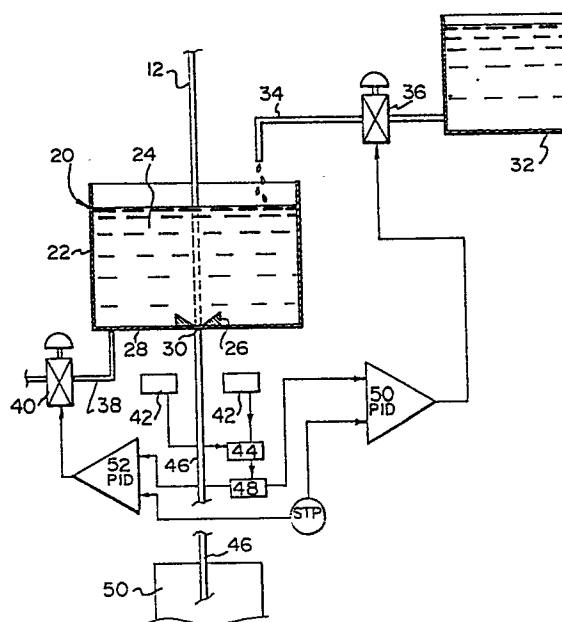
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54 **Production of insulated electrical conductors.**

57 In providing a dried insulation layer (46) upon conductor (12), a covering fluid layer (46) is initially provided by a process and apparatus in which the layer is formed from composite material (24) comprising magnetically permeable particles homogeneously mixed with a fluid carrier. The fluid layer is formed by passing the conductor through a reservoir of the material and then vertically through a die (26, 64). The reservoir of fluid applies pressure at the die orifice and this pressure is adjustable to vary the rate at which the material passes through the orifice and thus varies the diameter. This pressure is controllable by adjusting the height of the reservoir above a die orifice or by adjusting gas pressure acting downwardly upon the material. The diameter of the layer is advantageously measured after it is dried and variation in measured diameter from that desired effects a change in pressure to alter the diameter towards that desired. The diameter of the layer may, however, be measured with the layer in fluid form.





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EUROPEAN SEARCH REPORT

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Application number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 85301359.7
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	<u>GB - A - 2 020 476</u> (NORTHERN TELECOM) * Page 1, line 89 - page 2, line 10; fig. 3 * --	1,2,9	H 01 B 13/28 H 01 B 13/16 B 05 D 5/12 //H 01 B 13/14
A	<u>DE - B1 - 2 821 631</u> (FELTEN) * Claim 1; fig. 1,2 * --	1,5,8,9,13,14,16	
A	<u>FR - A - 1 318 495</u> (NIPPON TELEGRAPH) * Page 2, right hand column, lines 15-45; fig. 2 * ----	1,3,9,11	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. 4) H 01 B B 05 D 5/00
Place of search VIENNA		Date of completion of the search 03-04-1987	Examiner KUTZELNIGG
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			