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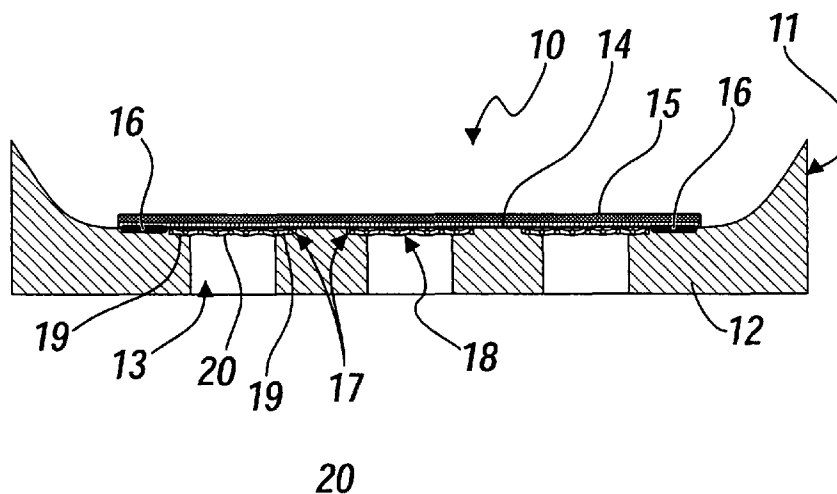
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(54) Title: SOLE FOR SHOES OF THE WATERPROOF AND VAPOR-PERMEABLE TYPE, AND SHOE PROVIDED WITH SAID SOLE



(57) Abstract: A sole (10, 100, 200, 300) for shoes, of the waterproof and vapor-permeable type, comprising: - a lower element (11, 111, 211, 311) made of plastic material, on which a tread (12) provided with multiple through holes (13) is formed; - a membrane (14, 214, 314) which is impermeable to water and permeable to water vapor and is arranged above said lower element (11, 111, 211, 311) so as to be superimposed on the through holes (13), the membrane being joined perimetrically and hermetically to at least one component of the sole (10, 100, 200, 300) so as to avoid the rise of liquids through the sole, - vapor-permeable or perforated means (17) for protecting the membrane (14, 214, 314), which are arranged below the membrane (14, 214, 314) so as to be superimposed on the area of the holes (13). The sole has means (17) for protecting the membrane (14, 214, 314) comprising individual vapor-permeable or perforated protective elements (18, 118, 218, 318), each arranged so as to block a corresponding through hole (13). The lower element (11, 111, 211, 311) forms, for each through hole (13), an undercut region (19, 119, 219a, 219c, 219d, 219e) for preventing downward extraction for each protective element (18, 118, 218, 318).

WO 2007/144073 A1