

Title (en)
REINFORCEMENT FOR CASTING COMPRISING ESSENTIALLY PLANE REINFORCEMENT ELEMENTS FORMED WITH RING-SHAPED PORTIONS

Title (de)
VERSTÄRKUNG ZUM GIESSEN VON IM WESENTLICHEN EBENEN BEWEHRUNGSELEMENTEN MIT RINGFÖRMIGEN TEILEN

Title (fr)
RENFORT POUR PIÈCE MOULÉE COMPORTANT ÉLÉMENTS DE RENFORT ESSENTIELLEMENT PLANS FORMÉS AVEC DES PARTIES EN ANNEAUX

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Application
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Abstract (en)
[origin: WO2012141650A1] The invention relates to a reinforcement for casting comprising essentially plane reinforcement elements (1 a-d, 2a-e) formed with ring-shaped portions (3a-e) arranged in a row along a line and connected to each other with necks. The reinforcement comprises sets of smaller reinforcement elements (1 a-d, 2e) and sets of larger reinforcement elements (2a-d), wherein the outer diameter of the ring-shaped portions of the smaller reinforcement elements is essentially the same size as the inner diameter of the ring-shaped portions of the larger reinforcement elements. The ring-shaped portions of the smaller reinforcement elements are arranged inside ring-shaped portions of the larger reinforcement elements. In an embodiment, the outer diameter of the ring-shaped portions of the smaller reinforcement elements is slightly larger than the inner diameter of the ring-shaped portions of the larger reinforcement elements, such that the reinforcement is pre-tensioned when the smaller reinforcement elements are arranged inside the larger reinforcement elements. In another embodiment, the smaller reinforcement elements comprise locking portions (4) arranged to lock the smaller reinforcement elements together with the larger. The locking portions (4) may be formed as pairs of teeth with a gap therebetween, wherein the locking portions are arranged on the periphery of the ring-shaped portions (3a-e) farthest away from the center line of the smaller reinforcement elements.

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Citation (search report)
• [A] KR 20100065697 A 20100617 - IND ACADEMIC COOP [KR]
• [A] JP H05311808 A 19931122 - NIPPON STEEL CORP
• [A] WO 9939887 A1 19990812 - FARRELL ELIZABETH ANNE AILEEN [NZ], et al
• [AD] US 1610996 A 19261214 - STANLEY BRUCKSHAW HERBERT
• [E] WO 2012050515 A1 20120419 - SVENSK CELLARMERING FABRIK AB [SE], et al
• See references of WO 2012141650A1

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