

Title (en)

A METHOD AND APPARATUS FOR MANUFACTURING PROFILED ELEMENTS

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Application

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Priority

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Abstract (en)

[origin: WO8102865A1] In a method of manufacturing profiled elements from a hardenable mass such as concrete, using a casting machine (1), the mass is discharged from said machine in the form of a continuous casting via an exchangeable nozzle (1a), which determines the profile shape of the casting, whereafter the casting is cut into elements (8) of desired lengths To enable rational handling of the profiled casting and automatization of the production sequences without stocking in relation to hardening of the elements, the profiled casting is discharged onto a transport unit (10) provided with an endless movable belt (12) and cut. The belt (12) is caused to stop and the actual transport unit moved further in a circuit path (A-K) during which the element is hardened, and after hardening discharged from the transport unit, whereafter the empty transport unit is returned to the starting position for receiving a further profiled casting from the casting machine (1) When the casting is fed onto the transport unit and the hardened element (8) discharged there from, the belt (12) is driven by means of an external drive source (21) which, to this end, is connected to one of the belt-turn shafts (21a) of the endless belt. The belt can also be driven when the transport unit passes a cleaning station (1) during its return to the delivery station (A) after curing of the casting. To enable the available space to be used in a more rational manner when hardening the castings, preferably a plurality of transport units, for example four such units, are stacked one over the other in a frame prior to said hardening process, and transferred, thus stacked, to a hardening storage site (E), said transport units being de-stacked subsequent to said hardening process, whereafter the finished profiled elements (8) are discharged The invention also relates to apparatus for manufacturing profiled elements by means of the method according to the invention.

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