

Title (en)
PAPER MACHINE WIRE

Title (de)
PAPIERMASCHINENSIEB

Title (fr)
TOILE DE MACHINE A PAPIER

Publication
EP 2898144 A1 20150729 (DE)

Application
EP 14725393 A 20140507

Priority
• DE 102013106327 A 20130618
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Abstract (en)
[origin: WO2014202277A1] A paper machine wire which is in the form of a multilayer woven fabric interconnected with cross threads is disclosed, said woven fabric having an overall repeat that contains: upper longitudinal threads (1, 3, 5, etc.) which extend exclusively in an upper woven fabric layer, lower longitudinal threads (2, 4, 6, etc.) which extend exclusively in a lower woven fabric layer, upper cross threads (101, 102, 109, 110, 117, 118, etc.) which extend exclusively in the upper woven fabric layer and are woven together with the upper longitudinal threads, partially forming a first weave, lower cross threads (103, 108, 111, 116, 119, 124, etc.) which extend exclusively in the lower woven fabric layer and are woven together with the lower longitudinal threads, completely forming a second weave, and binding cross threads (104-107, 112-115, 120-123, etc.) which extend in each case both in the upper woven fabric layer and in the lower woven fabric layer and as a result bind the lower woven fabric layer to the upper woven fabric layer. The binding cross threads form, within the overall repeat, functional pairs of cross threads, the cross threads of which alternately complete the first weave. In the overall repeat, the functional pairs of cross threads in the upper woven fabric layer are arranged, as seen in the longitudinal direction, in groups (A-E) of in each case two or more functional pairs of cross threads that are arranged directly one after the other.

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