

Title (en)

WEFT YARN SENSING DEVICE OF AN AIR JET LOOM

Title (de)

SCHUSSFADENERFASSUNGSVORRICHTUNG FÜR EINE LUFTDÜSENWEBMASCHINE

Title (fr)

DISPOSITIF DE DÉTECTION DE FIL DE TRAME D'UN MÉTIER À TISSER À JET D'AIR

Publication

EP 3382076 B1 20200624 (EN)

Application

EP 18161513 A 20180313

Priority

JP 2017065586 A 20170329

Abstract (en)

[origin: EP3382076A1] There is provided a weft yarn sensing device of an air jet loom (11) in which a weft yarn (Y) is inserted into a weft insertion passage (16) formed by recessed portions (15a) of reed wires (15) arranged in a weft insertion direction. The weft yarn sensing device includes a weft yarn sensor (30) including a light-emitting portion (34) that emits light into the weft insertion passage (16) and a light-receiving portion (35) located that faces toward the weft insertion passage (16). The device further includes at least one contrast adjuster (40) disposed between any two of the reed wires (15) that are adjacent to each other in the weft insertion direction. The contrast adjuster (40) has a width (D) in the weft insertion direction that is equal to or greater than a distance (K) between the two reed wires (15) adjacent to each other in the weft insertion direction.

IPC 8 full level

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CPC (source: CN EP)

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Cited by

BE1028625B1; EP4261332A1

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