

Title (en)

Method for controlling transportation of a weft thread through a shed

Title (de)

Verfahren zur Steuerung des Transports eines Schussfadens durch ein Webfach

Title (fr)

Procédé pour le contrôle du transport d'un fil de trame à travers une foule

Publication

**EP 2163670 A1 20100317 (EN)**

Application

**EP 08164207 A 20080912**

Priority

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Abstract (en)

The present invention provides a method and an apparatus for controlling transportation of a weft (8A, 8B, 8C) through a shed (1) of an air jet weaving machine. The shed (1) comprises, in transport direction of the weft, subsequently at least a first zone (zone 1) and a second zone (zone 2). The method comprises controlling the air flow rates of relay nozzles (4[i]) in the zones so as to accelerate the weft (8A, 8B, 8C) through the first zone (zone 1) of the shed, and so as to transport the weft (8A, 8B, 8C) through the second zone (zone 2) of the shed. The shed may furthermore comprise, in transport direction of the weft, subsequent to the first zone and the second zone, a third zone (zone 3). The method in these embodiments comprises controlling the air flow rates of the relay nozzles so as to allow the weft to stretch in the third zone of the shed. The apparatus comprises corresponding apparatus parts.

IPC 8 full level

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CPC (source: EP)

**D03D 47/304** (2013.01); **D03D 47/3053** (2013.01)

Citation (applicant)

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