

Title (en)  
PROCESS AND POWER LOOM.

Title (de)  
VERFAHREN UND WEBMASCHINE.

Title (fr)  
PROCEDE ET METIER MECANIQUE.

Publication  
**EP 0605550 B1 19951206 (DE)**

Application  
**EP 92920145 A 19920923**

Priority  
• DE 4131656 A 19910923  
• EP 9202203 W 19920923

Abstract (en)  
[origin: DE4131656A1] According to a process for controlling the insertion process of a weft yarn, the weft yarn is temporarily exposed to a braking friction and the yarn tension is mechanically picked-up. In order to prevent the friction from having a disturbing or damaging effect on the yarn, the yarn tension is only temporarily picked-up during certain phases of the insertion process, in order to derive from the tension curve informations that is useful for the control. In a power loom, in particular a jet, rapier or gripper shuttle loom, a tension sensor for sensing the tension of the weft yarn can be switched during insertion between its sensing position and a passive position in which it does not touch the weft yarn. Appropriately, the tension sensor is integrated in the insertion brake or even forms the braking element itself.

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**D03D 47/34**

IPC 8 full level  
**B65H 59/26** (2006.01); **B65H 59/40** (2006.01); **D03D 47/34** (2006.01)

CPC (source: EP US)  
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US7073399B2

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**DE 4131656 A1 19930325**; CZ 283142 B6 19980114; CZ 64894 A3 19940817; DE 59204624 D1 19960118; EP 0605550 A1 19940713; EP 0605550 B1 19951206; JP 3435512 B2 20030811; JP H07502078 A 19950302; KR 100283310 B1 20010302; US 5462094 A 19951031; WO 9306278 A2 19930401; WO 9306278 A3 19930513

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