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(71) Applicant: **TSUDAKOMA KOGYO KABUSHIKI KAISHA**
Kanazawa-shi,
Ishikawa-ken 921-8650 (JP)

(72) Inventors:
- **Yamazaki, Koki**
  Kanazawa-shi
  Ishikawa-ken 921-8650 (JP)
- **Nozaki, Kazuaki**
  Kanazawa-shi
  Ishikawa-ken 921-8650 (JP)
- **Kontani, Hideyuki**
  Kanazawa-shi
  Ishikawa-ken 921-8650 (JP)
- **Kitamura, Hirohisa**
  Kanazawa-shi
  Ishikawa-ken 921-8650 (JP)

(74) Representative: **von Samson-Himmelstjerna, Friedrich et al**
SAMSON & PARTNER
Widenmayerstrasse 5
80538 München (DE)

(54) Weft brake device and method for controlling a weft brake device

(57) A fluid jet loom (1) performs a weft insertion process in which a retaining pin (8) retracts to release a weft yarn (4) stored in a weft measuring-and-storing device (5), a weft brake device (40) applies a braking force to the weft yarn (4) at a brake start timing (t3, θ3) while the released weft yarn (4) is being inserted into a shed (17) by a jet from a main nozzle (10), and the retaining pin (8) projects to stop the weft yarn (4) and thereby finishes the weft insertion process. A remaining weft-insertion length (L1) to a final weft arrival position is input beforehand to the weft brake device (40) as an input value, and the weft brake device (40) determines the brake start timing (t3, θ3) on the basis of the remaining weft-insertion length (L1) and applies the braking force to the weft yarn (4) at the determined brake start timing (t3, θ3).

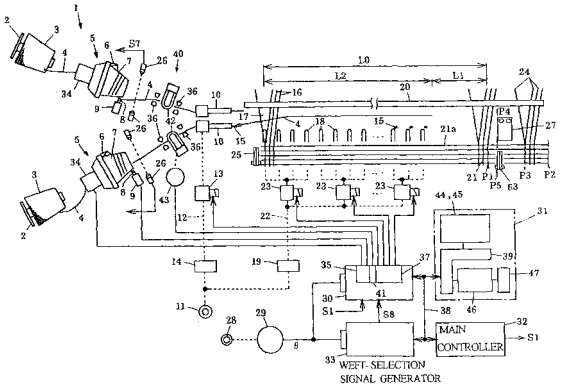

FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 05 01 7592

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D03D
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS

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