

Title (en)

Weaving loom with magnetic shuttle

Title (de)

Webmaschine mit magnetischer Schütze

Title (fr)

Métier à tisser avec navette magnétique

Publication

EP 1074646 A1 20010207 (EN)

Application

EP 99202498 A 19990729

Priority

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Abstract (en)

A transmission (51) of a weaving loom includes a driving wheel (511), a driven wheel (512), an endless driving belt (513) that extends around the driving wheel (511) and the driven wheel (512), and at least one magnet unit (514), which is secured to an inside surface of the belt (513) for attracting and driving the shuttle (52) to circulate on a machine frame (50). Each of the driving wheel (511) and the driven wheel (512) is formed with an annular groove (517), within which the shuttle (52) and the magnet unit (514) move in such a manner that the shuttle (52) is attracted onto the magnet unit (514). <IMAGE>

IPC 1-7

D03D 49/44; **D03D 47/27**; **D03D 47/24**

IPC 8 full level

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CPC (source: EP)

D03D 47/24 (2013.01); **D03D 47/277** (2013.01); **D03D 49/44** (2013.01)

Citation (search report)

- [A] US 4762153 A 19880809 - CHUANG WU-CHEN [TW], et al
- [A] FR 2128661 A1 19721020 - QUATTROCOLO VITTORIO, et al
- [A] US 4529016 A 19850716 - SCHLECHT LUDWIG [DE], et al

Cited by

US6269842B1; CN102912533A; GB2372883A; GB2372883B; EP1586683A3; DE102016006057A1; WO2017080538A1

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