

Title (en)

Method for transporting the weft thread through the shed of a loom

Title (de)

Verfahren zum Transport eines Schussfadens durch das Webfach einer Webmaschine

Title (fr)

Procédé de transport d'un fil de trame par une foule d'une machine à tisser

Publication

EP 2050847 B1 20120829 (DE)

Application

EP 07020515 A 20071019

Priority

EP 07020515 A 20071019

Abstract (en)

[origin: EP2050847A1] The method involves producing a changing total charge in a part of an electrode arrangement by a weft thread (4). The changing total charge on the electrode arrangement is determined as a narrow-band frequency composition concentrated around a main component. The main component's frequency is proportional to axial velocity of the moved weft thread. A periodic change in the total charge is evaluated for determining the axial velocity of the weft thread. Nozzles of a weaving machine are controlled as a function of the axial velocity of the weft thread. An independent claim is also included for a weaving machine provided with nozzles.

IPC 8 full level

D03D 47/30 (2006.01)

CPC (source: EP US)

D03D 47/3033 (2013.01 - EP US)

Cited by

CN103370462A; WO2013010278A1; WO2012068697A3; WO2012068698A3

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

EP 2050847 A1 20090422; EP 2050847 B1 20120829; CN 101413177 A 20090422; CN 101413177 B 20130220; JP 2009102792 A 20090514; US 2009101226 A1 20090423; US 7654290 B2 20100202

DOCDB simple family (application)

EP 07020515 A 20071019; CN 200810170278 A 20081020; JP 2008266540 A 20081015; US 28804308 A 20081016