

Title (en)
AUXILIARY NOZZLE FOR A WEAVING MACHINE

Title (de)
HILFSDÜSE FÜR EINE WEBMASCHINE

Title (fr)
BUSE AUXILIAIRE POUR MÉTIER À TISSER

Publication
EP 3268524 B1 20191218 (EN)

Application
EP 16707792 A 20160303

Priority
• BE 201500101 A 20150311
• EP 2016054569 W 20160303

Abstract (en)
[origin: WO2016142273A1] Weaving machine, method and auxiliary nozzle for supporting a weft thread (1, 2), which comprises a hollow needle (11), wherein the hollow needle (11) comprises a tip (12), an outflow opening (13) for an air jet (7) and a side wall (14), wherein the outflow opening (13) is arranged to direct the air jet (7) to a weft insertion channel (4), wherein the outflow opening (13) is composed of a plurality of elementary apertures (15) formed having straight lateral surfaces (17) and wherein the elementary apertures (15) are formed by laser cutting in the side wall (14) and are arranged in a tessellation pattern for maximizing the total flow-through section of the outflow opening (13).

IPC 8 full level
D03D 47/30 (2006.01)

CPC (source: CN EP)
D03D 47/302 (2013.01 - CN EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016142273 A1 20160915; BE 1022812 A1 20160913; BE 1022812 B1 20160913; CN 107407019 A 20171128; EP 3268524 A1 20180117; EP 3268524 B1 20191218

DOCDB simple family (application)
EP 2016054569 W 20160303; BE 201500101 A 20150311; CN 201680014906 A 20160303; EP 16707792 A 20160303