

Title (en)
Profile reed for air jet loom

Title (de)
Luftdüsenwebmaschine mit profiliertem Riet

Title (fr)
Peigne profilé pour métier à tisser à jet d'air

Publication
EP 2455520 A2 20120523 (EN)

Application
EP 11189875 A 20111121

Priority
JP 2010260697 A 20101123

Abstract (en)
A profile reed for an air jet loom includes a dent having a guide recess and a lower jaw portion located below the guide recess, and a weft yarn passage formed by a plurality of the dents juxtaposed in the direction of weft insertion. The guide recess is formed with upper, inner lower wall surfaces. The inner wall surface is connected with the lower wall surface through a lower arcuate surface formed with a radius of curvature. The front end of the lower jaw portion is defined by a lower jaw arcuate surface formed with a radius of curvature. The lower jaw portion extends frontward for a distance between the inner wall surface and the front end of the lower jaw portion. The distance is set at or lower than 5.0 millimeters. The sum of the radii of curvature is smaller than the distance.

IPC 8 full level
D03D 47/27 (2006.01); **D03D 49/62** (2006.01)

CPC (source: EP)
D03D 47/278 (2013.01); **D03D 49/62** (2013.01)

Citation (applicant)
JP H0874143 A 19960319 - TOYOTA CENTRAL RES & DEV, et al

Cited by
EP3098338A3; ITUB20150706A1; EP3098338A2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2455520 A2 20120523; **EP 2455520 A3 20120905**; **EP 2455520 B1 20130731**; CN 102534954 A 20120704; CN 102534954 B 20141224; JP 2012112061 A 20120614; JP 5573629 B2 20140820

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