

Title (en)

Method and apparatus for joining plates by caulking

Title (de)

Verfahren und Vorrichtung zum Verbinden von Platten durch Verpressen

Title (fr)

Procédé et dispositif pour assembler des tôles par calfeutrage

Publication

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Application

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Priority

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Abstract (en)

A caulking method for joining a first plate (10), having a tapered hole (11) and a hollow cylindrical caulking portion (12) extending from a periphery of the tapered hole (11), and a second plate (20) having a hole (21), the method including inserting the caulking portion (12) of the first plate (10) through the hole (21) of the second plate (20) to project a tip end portion of the caulking portion (12) beyond the hole (21) and overlay the second plate (20) on the first plate (10), and folding back the tip end portion of the caulking portion (12) over a periphery of the hole (21) of the second plate (20) on one side surface thereof, while pressing against a beveled surface defining the tapered hole (11) so as to prevent a material of the caulking portion from flowing toward the other side surface of the first plate (10) along the periphery of the tapered hole (11). A caulking apparatus for carrying out the method described above is also disclosed.

IPC 8 full level

B21D 39/03 (2006.01)

CPC (source: EP)

B21D 39/032 (2013.01)

Citation (applicant)

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