

TECHNOLOGY LICENSING OPPORTUNITY

Adjustable Door Jamb Assembly

TECHNOLOGY / MARKETING FIELD

Civil Engineering, Construction

FEATURES

Pre-hung exterior doors are usually fitted to a door jamb made of wood, which can rot along the bottom when exposed to moisture. In addition, different sized jambs are needed to accommodate different building codes and wall sizes. Most companies make a single door jamb that fits a wall constructed with 2 x 4-inch framing members, requiring the contractor to custom fit the jamb to each building application by adding another wooden extension jamb. *This technology now provides a door jamb assembly that more easily accommodates different wall thicknesses.* The assembly includes a top jamb section and two side jamb sections. Each jamb section is composed of interlocking parts made of moisture-resistant, extruded cellular PVC. Each interlocking part extends the length of its corresponding jamb section and includes ends that interlock with those of another part. The interlocking parts are added or removed to customize the thickness of the door jamb assembly. Prior to installation, the interlocking PVC sections are cut to length and assembled into frames that hold the door.

BENEFITS

- Adjustable to accommodate various wall thicknesses
- Provides three-way adjustability: height, width, and depth can all be modified
- Requires minimal cutting
- Cellular PVC is resistant to deterioration and nearly maintenance free, and can be stained or painted
- Ridged ends prevent flexion and ensure that interlocking parts remain connected
- Minimal milling needed, reducing manufacturing costs and increasing speed of manufacturing
- Reduces material waste and labor during manufacturing
- Manufacturer only needs to make a few distinct interlocking parts instead of manufacturing door jambs of different depths
- Builder/customer can buy interlocking parts in bulk and assemble them in combination according to the needs of each project
- One interlocking part functions as a brickmold, eliminating the need for a separate brickmold component to which traditional door jamb assemblies are attached
- A "J" channel is also available for receiving vinyl siding

INTELLECTUAL PROPERTY STATUS

Patent applied for.

INVENTOR(S)

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