

Title (en)

Heating of metal alloy sheet by thermal conduction

Title (de)

Heizung des Metalllegierung Blattes durch thermische Übertragung

Title (fr)

Chauffage de feuille d'alliage en métal par la conduction thermique

Publication

EP 1566462 B1 20120328 (EN)

Application

EP 04003803 A 20040219

Priority

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Abstract (en)

[origin: EP1566462A1] A method is disclosed for heating a cold worked sheet of superplastically formable metal composition to recrystallize its microstructure to a formable condition and/or to heat the sheet to a temperature for an immediate forming operation. The sheet is placed between two electrical resistance heated platens maintained at a suitable temperature for recrystallizing and/or heating the metal sheet through its side surfaces. In a preferred embodiment a critical gap is maintained between the platens and the sheet to permit rapid conductive heating of the expanding sheet without marring its surfaces.

IPC 8 full level

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CPC (source: EP)

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Cited by

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