

Title (en)  
A COMPONENT MOUNTING MACHINE

Title (de)  
MASCHINE ZUR MONTAGE VON KOMPONENTEN

Title (fr)  
MACHINE DE MONTAGE DE COMPOSANTS

Publication  
**EP 2520143 A1 20121107 (EN)**

Application  
**EP 10805218 A 20101230**

Priority  
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• EP 2010007983 W 20101230

Abstract (en)  
[origin: WO2011079956A1] A component mounting head arranged to pick up components at a picking position and place the components at a mounting position, the component mounting head comprising a plurality of nozzles, which are vertically movable downwards and upwards for enabling said picking and placing, wherein the component mounting head is arranged to control a plurality of picking operations including at least picking a single component with each nozzle and picking a single component with at least two nozzles in common.

IPC 8 full level  
**H05K 13/04** (2006.01); **H05K 13/08** (2006.01)

CPC (source: EP KR)  
**H05K 13/0408** (2013.01 - EP); **H05K 13/0409** (2018.07 - EP KR); **H05K 13/041** (2018.07 - EP KR); **H05K 13/0413** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2011079956A1

Citation (examination)  
JP H04239200 A 19920827 - SANYO ELECTRIC CO

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)  
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**EP 2010007983 W 20101230**; CN 201080061254 A 20101230; EP 10805218 A 20101230; JP 2012545165 A 20101230; KR 20127019054 A 20101230