

Title (en)
WORKSTATION

Title (de)
ARBEITSSTATION

Title (fr)
STATION DE TRAVAIL

Publication
EP 3046735 A1 20160727 (DE)

Application
EP 14781093 A 20140917

Priority
• DE 202013104264 U 20130918
• EP 2014069821 W 20140917

Abstract (en)
[origin: WO2015040071A1] The invention relates to a HRC workstation having a programmable industrial robot (4), the workstation (1) having a manual working area (14) for a worker (5) in the surroundings of the industrial robot (4). In the HRC workstation (1), the working areas of the industrial robot (4) and the worker (5) overlap, wherein contact between the worker (5) and the industrial robot (4) is possible. The workstation (1) is divided into a plurality of different zones (17, 18, 19, 20) having differently high levels of risk of hazard from the industrial robot (4) for the worker (5). The industrial robot (4) is suitable for human-robot cooperation.

IPC 8 full level
B25J 19/06 (2006.01); **B25J 9/16** (2006.01); **F16P 3/14** (2006.01)

CPC (source: EP US)
B25J 9/1676 (2013.01 - EP US); **B25J 19/06** (2013.01 - EP US); **F16P 3/00** (2013.01 - EP US); **F16P 3/148** (2013.01 - EP US);
G05B 2219/40196 (2013.01 - EP US); **G05B 2219/40198** (2013.01 - EP US); **G05B 2219/40201** (2013.01 - EP US);
G05B 2219/40478 (2013.01 - EP US); **G05B 2219/45067** (2013.01 - US)

Citation (search report)
See references of WO 2015040071A1

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)
DE 202013104264 U1 20150109; CN 105555490 A 20160504; CN 105555490 B 20190108; EP 3046735 A1 20160727;
US 2016229068 A1 20160811; US 9981394 B2 20180529; WO 2015040071 A1 20150326

DOCDB simple family (application)
DE 202013104264 U 20130918; CN 201480051468 A 20140917; EP 14781093 A 20140917; EP 2014069821 W 20140917;
US 201415022628 A 20140917